

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Houghton Technical Corp.		01/31/2011	CORPORATION: DELAWARE
Houghton International Inc.		01/31/2011	CORPORATION: PENNSYLVANIA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Deutsche Bank AG New York Branch, as Collateral Agent		
<b>Street Address:</b>	60 Wall Street		
<b>City:</b>	New York		
<b>State/Country:</b>	NEW YORK		
<b>Postal Code:</b>	10005		
<b>Entity Type:</b>	CORPORATION: GERMANY		
<b>PROPERTY NUMBERS Total: 52</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
Registration Number:	639915	DROMUS	
Registration Number:	413827	ENSIS COMPOUND	
Registration Number:	2930640	FENELLA	
Registration Number:	640245	GARIA	
Registration Number:	639917	MACRON	
Registration Number:	648089	VOLUTA	
Serial Number:	71534689	DASCO	
Serial Number:	72314470	DASCOOL	
Serial Number:	71534684	DRAWSOL	
Serial Number:	72221423	EXCELENE	
Serial Number:	75839686	HYDRODRAW	
Serial Number:	70039155	IRONSIDES	
Serial Number:	73210323	KLEEN-TIN	

**CH \$1315.00 639915**

Serial Number:	72221424	ROLKLEEN
Serial Number:	78317059	ROLLCOOL
Serial Number:	74067677	ROLLSHIELD
Serial Number:	74207468	STUART
Serial Number:	71534687	STURACO
Serial Number:	71128374	SUPER-KOOL
Serial Number:	77322532	TEMPERSHIELD
Serial Number:	71534683	THERMEX
Serial Number:	71534690	THREDKUT
Serial Number:	72367730	AQUA-QUENCH
Serial Number:	72089164	CERFA-KLEEN
Serial Number:	72172194	CINDOL
Serial Number:	71451677	COSMOLINE
Serial Number:	71141223	COSMOLUBRIC
Serial Number:	71392641	CUT-MAX
Serial Number:	75083048	DIE KOTE
Serial Number:	75141505	FLUIDCARE
Serial Number:	73008314	H HOUGHTON
Serial Number:	72353496	HI-TEMP
Serial Number:	71275675	HOCUT
Serial Number:	72104831	HOUGHTO SAFE 620
Serial Number:	71533570	HOUGHTO-BLACK
Serial Number:	71236485	HOUGHTO-CLEAN
Serial Number:	71533576	HOUGHTO-QUENCH
Serial Number:	72088607	HOUGHTO-SAFE
Serial Number:	76546508	HOUGHTO-TREND
Serial Number:	71277232	HOUGHTODRAW
Serial Number:	71277233	HOUGHTOGRIND
Serial Number:	71189672	HOUGHTON'S DRAW TEMP
Serial Number:	71189673	HOUGHTON'S LIQUID HEAT
Serial Number:	73133709	HYDRA-CUT
Serial Number:	71141224	HYDROLUBRIC
Serial Number:	71533572	MAR TEMP
Serial Number:	71555412	MAR-TEMP
Serial Number:	76426419	QUENCHCARE

Serial Number:	71126728	RUST VETO
Serial Number:	71333156	STA-PUT
Serial Number:	75292386	TANDEMOL
Serial Number:	71112256	THE HOUGHTON LINE

**CORRESPONDENCE DATA**

Fax Number: (202)408-3141  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 800-927-9801 x2348  
Email: jpaterso@cscinfo.com  
Correspondent Name: Corporation Service Company  
Address Line 1: 1090 Vermont Avenue NW, Suite 430  
Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:	667227
NAME OF SUBMITTER:	Jean Paterson
Signature:	/jep/
Date:	02/08/2011

**Total Attachments: 70**

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GRANT OF SECURITY INTEREST  
IN UNITED STATES TRADEMARKS

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, HOUGHTON TECHNICAL CORP. & HOUGHTON INTERNATIONAL INC., Delaware & Pennsylvania corporations respectively (the "Grantors") with principal offices at 945 Madison Avenue, Norristown, PA 19403, hereby grants to Deutsche Bank AG New York Branch, as Collateral Agent, with an office at 60 Wall Street, New York, New York 10005 (the "Grantee"), a continuing security interest in (i) all of the Grantor's right, title and interest in, to and under to the United States trademarks, trademark registrations and trademark applications (the "Marks") set forth on Schedule A attached hereto, (ii) all Proceeds (as such term is defined in the Guaranty and Collateral Agreement referred to below) and products of the Marks, (iii) the goodwill of the businesses with which the Marks are associated and (iv) all causes of action arising prior to or after the date hereof for infringement of any of the Marks or unfair competition regarding the same; it being understood that with respect to United States intent-to-use trademark applications included in the Trademarks, the grant of the security interest hereunder shall not apply until and unless a statement of use or an amendment to allege use has been filed and accepted by the United States Patent and Trademark Office.

THIS GRANT is made to secure the satisfactory performance and payment of all the Obligations of the Grantor, as such term is defined in the Guaranty and Collateral Agreement among the Grantor, the other assignors from time to time party thereto and the Grantee, dated as of January 31, 2011 (as amended, modified, restated and/or supplemented from time to time, the "Guaranty and Collateral Agreement").

This Grant has been granted in conjunction with the security interest granted to the Grantee under the Guaranty and Collateral Agreement. The rights and remedies of the parties hereto with respect to the security interest granted herein are as set forth in the Guaranty and Collateral Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Grant are deemed to conflict with the Guaranty and Collateral Agreement, the provisions of the Guaranty and Collateral Agreement shall govern.

**[Remainder of this page intentionally left blank; signature page follows]**

IN WITNESS WHEREOF, the undersigned have executed this Grant as of the 31 day of January, 2011.

HOUGHTON TECHNICAL CORP., Grantor

By: *Paul A. Hays*  
Name:  
Title:

[Trademark IP Security Agreement]

TRADEMARK  
REEL: 004469 FRAME: 0062

HOUGHTON INTERNATIONAL INC., Grantor

By: David H. Hayes  
Name:  
Title:

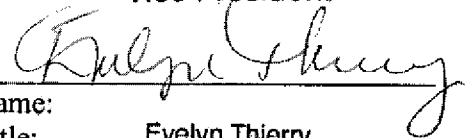
[Trademark IP Security Agreement]

TRADEMARK  
REEL: 004469 FRAME: 0063

DEUTSCHE BANK AG NEW YORK  
BRANCH, as Collateral Agent and Grantee

By: 

Name: Omayra Castellana  
Title: Vice President

By: 

Name: Evelyn Thierry  
Title: Director



SCHEDULE A

Mark	Country	Owner	Application or Registration No.
DASCO	US	Houghton International Inc.	71-534689
DASCOOL	US	Houghton International Inc.	72-314470
DRAWSOL (Stylized)	US	Houghton International Inc.	71-534684
EXCELENE	US	Houghton International Inc.	72-221423
HYDRODRAW	US	Houghton International Inc.	75-839686
IRONSIDES (Stylized)	US	Houghton International Inc.	70-039155
KLEEN-TIN	US	Houghton International Inc.	73-210323
ROLKLEEN	US	Houghton International Inc.	72-221424
ROLLCOOL	US	Houghton International Inc.	78-317059
ROLLSHIELD	US	Houghton International Inc.	74-067677
STUART (and Design)	US	Houghton International Inc.	74-207468
STURACO	US	Houghton International Inc.	71-534687
SUPER-KOOL (Stylized)	US	Houghton International Inc.	71-128374
TEMPERSHIELD	US	Houghton International Inc.	77-322532
THERMEX (Stylized)	US	Houghton International Inc.	71-534683
THREDKUT	US	Houghton International Inc.	71-534690
AQUA-QUENCH	US	Houghton Technical Corp.	72-367730
CERFA-KLEEN (Stylized)	US	Houghton Technical Corp.	72-089164
CINDOL (Stylized)	US	Houghton Technical Corp.	72-172194
COSMOLINE (Stylized)	US	Houghton Technical Corp.	71-451677
COSMOLUBRIC (and Design)	US	Houghton Technical Corp.	71-141223
CUT-MAX (Stylized)	US	Houghton Technical Corp.	71-392641
DIE KOTE	US	Houghton Technical Corp.	75-083048
FLUIDCARE	US	Houghton Technical Corp.	75-141505
H HOUGHTON (and Design)	US	Houghton Technical	73-008314

Mark	Country	Owner	Application or Registration No.
		Corp.	
HI-TEMP	US	Houghton Technical Corp.	72-353496
HOCUT (Stylized)	US	Houghton Technical Corp.	71-275675
HOUGHTO SAFE 620 (Stylized)	US	Houghton Technical Corp.	72-104831
HOUGHTO-BLACK (Stylized)	US	Houghton Technical Corp.	71-533570
HOUGHTO-CLEAN (Stylized)	US	Houghton Technical Corp.	71-236485
HOUGHTO-QUENCH (Stylized)	US	Houghton Technical Corp.	71-533576
HOUGHTO-SAFE (Stylized)	US	Houghton Technical Corp.	72-088607
HOUGHTO-TREND	US	Houghton Technical Corp.	76-546508
HOUGHTODRAW (Stylized)	US	Houghton Technical Corp.	71-277232
HOUGHTOGRIND (Stylized)	US	Houghton Technical Corp.	71-277233
HOUGHTON'S DRAW TEMP (Stylized)	US	Houghton Technical Corp.	71-189672
HOUGHTON'S LIQUID HEAT (Stylized)	US	Houghton Technical Corp.	71-189673
HYDRA-CUT	US	Houghton Technical Corp.	73-133709
HYDROLUBRIC (and Design)	US	Houghton Technical Corp.	71-141224
MAR TEMP (Stylized)	US	Houghton Technical Corp.	71-533572
MAR-TEMP (Stylized)	US	Houghton Technical Corp.	71-555412
QUENCHCARE	US	Houghton Technical Corp.	76-426419
RUST VETO (Stylized)	US	Houghton Technical Corp.	71-126728
STA-PUT (Stylized)	US	Houghton Technical Corp.	71-333156
TANDEMOL	US	Houghton Technical Corp.	75-292386
THE HOUGHTON LINE (Stylized)	US	Houghton Technical Corp.	71-112256
DROMUS	US	Houghton Technical Corp.	639915
ENSIS COMPOUND	US	Houghton Technical Corp.	413827
FENELLA	US	Houghton Technical Corp.	2930640
GARIA	US	Houghton Technical Corp.	640245
MACRON	US	Houghton Technical Corp.	639917

Ex. IV-2

Mark	Country	Owner	Application or Registration No.
VOLUTA	US	Houghton Technical Corp.	648089

**OTHER TRADEMARKS:**

Mark	Country	Owner	Application or Registration No.
HOUGHTO GRIND	Argentina	Houghton US LLC	1,983,249
HOCUT	Argentina	Houghton US LLC	1,615,145
HOCUT	Argentina	Houghton US LLC	1,615,146
HOUGHTO GRIND	Argentina	Houghton US LLC	1,615,147
HOUGHTO	Argentina	Houghton US LLC	1,615,144
HOUGHTON	Argentina	Houghton US LLC	2,237,579
HOUGHTON	Argentina	Houghton US LLC	2,237,589
HOUGHTON	Argentina	Houghton US LLC	2,237,591
HOUGHTON	Argentina	Houghton US LLC	2,237,593
CERFA-KLEEN	Argentina	Houghton US LLC	2,165,698
H & DESIGN	Argentina	Houghton US LLC	2,165,696
HIDROLUBRIC	Argentina	Houghton US LLC	1,746,935
SOLUBLE QUENCHING	Argentina	Houghton US LLC	1,746,936
FORGING OIL	Argentina	Houghton US LLC	1,746,937
COSMOLUBRIC	Argentina	Houghton US LLC	1,746,934
COSMOLUBRIC	Argentina	Houghton US LLC	1,746,933
HOUGHTO SAFE	Argentina	Houghton US LLC	1,915,274
HOUGHTO SAFE	Argentina	Houghton US LLC	1,915,275
HOUGHTO SAFE	Argentina	Houghton US LLC	1,915,276
RUST VETO	Argentina	Houghton US LLC	1,932,544
AQUA QUENCH	Argentina	Houghton US LLC	1,967,510
MAR TEMP	Argentina	Houghton US LLC	1,967,509
CUT-MAX	Argentina	Houghton US LLC	2,495,264
FLUID CARE	Argentina	Houghton US LLC	2,533,316
H LOGO	Argentina	Houghton US LLC	2,499,880
DRAW TEMP	Argentina	Houghton US LLC	1,992,428
HOUGHTO DRAW	Argentina	Houghton US LLC	1,992,426
HOUGHTO DRIVE	Argentina	Houghton US LLC	1,992,427
HOUGHTO QUENCH	Argentina	Houghton US LLC	1,992,429
H LOGO	Argentina	Houghton US LLC	2,607,158
FLUID CARE	Argentina	Houghton US LLC	2,533,315
CINDOL	Argentina	Houghton US LLC	2,084,141
LIQUID HEAT	Australia	Houghton Australia Pty Ltd.	47,370
DRAW TEMP	Australia	Houghton Australia Pty Ltd.	47,371
CUT-MAX	Australia	Houghton Australia Pty Ltd.	A180,828
HOUGHTON'S STA PUT	Australia	Houghton Australia Pty Ltd.	B180,829
COSMOLUBRIC	Australia	Houghton Australia Pty Ltd.	A180,830
HYDRO-DRIVE	Australia	Houghton Australia Pty Ltd.	A180,832

		Pty Ltd.	
HOCUT	Australia	Houghton Australia Pty Ltd.	A180,833
HOUGHTON	Australia	Houghton Australia Pty Ltd.	A180,834
HOUGHTON	Australia	Houghton Australia Pty Ltd.	A180,835
HOUGHTON	Australia	Houghton Australia Pty Ltd.	B202,096
CERFA-KLEEN	Australia	Houghton Australia Pty Ltd.	A181,402
HOUGHTO-CLEAN	Australia	Houghton Australia Pty Ltd.	A181,403
COSMOLINE	Australia	Houghton Australia Pty Ltd.	A181,405
HOUGHTO-DRAW	Australia	Houghton Australia Pty Ltd.	A181,407
COSMOLUBE	Australia	Houghton Australia Pty Ltd.	A181,408
HOUGHTO QUENCH	Australia	Houghton Australia Pty Ltd.	A181,409
HOUGHTO SAFE	Australia	Houghton Australia Pty Ltd.	A181,410
CINDOL	Australia	Houghton Australia Pty Ltd.	A184,801
AQUA QUENCH	Australia	Houghton Australia Pty Ltd.	A576,796
TANDEMOL	Australia	Houghton Australia Pty Ltd.	656791
RUST VETO	Australia	Houghton Australia Pty Ltd.	30650
HI-TEMP	Brazil	Houghton do Brasil Ltda	810515687
MOULDLUBRIC	Brazil	Houghton do Brasil Ltda	810515008
DRAW TEMP	Brazil	Houghton do Brasil Ltda	810514893
LAPPING BASE	Brazil	Houghton do Brasil Ltda	810514966
HOUGHTO-THERM	Brazil	Houghton do Brasil Ltda	810515652
HOUGHTON	Paraguay	Houghton do Brasil Ltda	295.725
HOUGHTO	Paraguay	Houghton do Brasil Ltda	295.848
HOUGHTO	Paraguay	Houghton do Brasil Ltda	295.849
HOUGHTO	Paraguay	Houghton do Brasil Ltda	295.860
HOUGHTO	Uruguay	Houghton do Brasil Ltda	383.753
H HOUGHTON & DEVICE	Uruguay	Houghton do Brasil Ltda	373.754
HOUGHTON BRAKE	Brazil	Houghton US LLC	811937070
HOUGHTON BOP FLUID	Brazil	Houghton US LLC	812357159

Ex. IV-4

**TRADEMARK**  
**REEL: 004469 FRAME: 0068**

STACK MAGIC	Brazil	Houghton US LLC	812357140
COSMOLUBRIC	Brazil	Houghton US LLC	812360389
HOUGHTON'S	Brazil	Houghton US LLC	2096846
COSMOLINE	Brazil	Houghton US LLC	6683401
HOCUT	Brazil	Houghton US LLC	740174665
HOUGHTO GRIND	Brazil	Houghton US LLC	6286151
STA PUT	Brazil	Houghton US LLC	6286135
TANDEMOL	Brazil	Houghton US LLC	6286143
CUT-MAX	Brazil	Houghton US LLC	6296211
HOUGHTO DRAW	Brazil	Houghton US LLC	6296335
HOUGHTO SAFE	Brazil	Houghton US LLC	6296238
HYDROLUBRIC	Brazil	Houghton US LLC	6296246
MAR-TEMP	Brazil	Houghton US LLC	6296220
HOUGHTON'S	Brazil	Houghton US LLC	3257258
PERMASOL	Canada	Houghton Canada Inc.	UCA 01893
STA-PUT	Canada	Houghton Canada Inc.	UCA 01892
PEARLITE	Canada	Houghton Canada Inc.	TMDA46187
RUST VETO	Canada	Houghton Canada Inc.	TMDA46184
SOLCUT	Canada	Houghton Canada Inc.	TMDA46185
ABSORBED OIL	Canada	Houghton Canada Inc.	TMDA46188
HYDRA CUT	Canada	Houghton Canada Inc.	251.960
ANTISEP	Canada	Houghton Canada Inc.	151.004
CINDOL	Canada	Houghton Canada Inc.	150.995
COSMOLINE	Canada	Houghton Canada Inc.	150.996
COSMOLUBE	Canada	Houghton Canada Inc.	150.997
HOCUT	Canada	Houghton Canada Inc.	150.998
HOUGHTO SAFE	Canada	Houghton Canada Inc.	150.999
HYDRO DRIVE	Canada	Houghton Canada Inc.	151.000
HYDROLUBRIC	Canada	Houghton Canada Inc.	151.001
MAR TEMP	Canada	Houghton Canada Inc.	151.003
TENAC	Canada	Houghton Canada Inc.	151.002
CERFA KLEEN	Canada	Houghton Canada Inc.	151.738
CUT-MAX	Canada	Houghton Canada Inc.	NS46/12386
TANDEMOL	Canada	Houghton Canada Inc.	170/628

Ex. IV-5

**TRADEMARK**  
**REEL: 004469 FRAME: 0069**

HYDRA-VIS	Canada	Houghton Canada Inc.	326,481
HOUGHTON LOGO	Canada	Houghton Canada Inc.	592,468
HOUGHTON	Canada	Houghton Canada Inc.	592,416
FLUIDCARE	Canada	Houghton Canada Inc.	585,330
COSMOLUBRIC	Canada	Houghton Canada Inc.	150,997
HOUGHTO CLEAN	Canada	Houghton Canada Inc.	183/40510
HOUGHTON (CHINESE)	China	Houghton International Inc.	650,334
HOUGHTON LOGO	China	Houghton International Inc.	650,335
HOCUT	China	Houghton International Inc.	650,336
MAR-TEMP	China	Houghton International Inc.	650,337
HOUGHTON LOGO	China	Houghton International Inc.	653,275
HOUGHTON (CHINESE)	China	Houghton International Inc.	653,286
HOUGHTON LOGO	China	Houghton International Inc.	653,689
HOUGHTON (CHINESE)	China	Houghton International Inc.	653,688
HOUGHTON (CHINESE)	China	Houghton International Inc.	655,291
HOUGHTON LOGO	China	Houghton International Inc.	655,292
HOUGHTO	China	Houghton International Inc.	699,066
HOUGHTON	China	Houghton International Inc.	257,424
HOUGHTON	China	Houghton International Inc.	259,078
HOUGHTO SAFE	China	Houghton International Inc.	264,278
AQUA QUENCH	China	Houghton International Inc.	276,340
CINDOL	China	Houghton China Co Ltd.	1128790
KOTON	China	Houghton China Co Ltd.	1128701
GRIND	China	Houghton China Co Ltd.	1128787
MAR TEMP	China	Houghton China Co Ltd.	1136161
RUST VETO	China	Houghton China Co Ltd.	1132005
CERFA KLEEN	China	Houghton China Co Ltd.	113013
COSMOLUBRIC	China	Houghton China Co	1130012

Ex. IV-6

**TRADEMARK**  
**REEL: 004469 FRAME: 0070**

		Ltd.	
QUENCH	China	Houghton China Co Ltd.	1136175
HYDROLUBRIC	China	Houghton China Co Ltd.	1130023
CUTMAX	China	Houghton China Co Ltd.	1150553
EVCO	England	Houghton PLC	937,624
EVCOSORB	England	Houghton PLC	948,637
KLENTEMP	England	Houghton PLC	999,972
KLENQUENCH	England	Houghton PLC	999,973
EVCO	England	Houghton PLC	929,982
HYDRO-DRIVE	England	Houghton PLC	1,187,624
HOUGHTON QUENCH	England	Houghton PLC	B1,187,627
HOUGHTON	England	Houghton PLC	2,170,675
HOUGHTON LOGO	England	Houghton PLC	2,170,675
HOUGHTON	Germany	Houghton Benelux BV	651 953
CERFAC	Germany	Houghton Benelux BV	961 959
TUBOL	Germany	Houghton Benelux BV	970 232
HOUGHTON FLUIDCARE	Germany	Houghton Benelux BV	720 248
HOUGHTO SOLV	Germany	Houghton Benelux BV	757 882
HOUGHTO SAFE	Germany	Houghton Benelux BV	631 557
HOUGHTO CLEAN	Germany	Houghton Benelux BV	637 029
COSMOLUBRIC	Germany	Houghton Benelux BV	649 250
HOUGHTO QUENCH	Germany	Houghton Benelux BV	650 048
HOUGHTON LOGO	Germany	Houghton Benelux BV	649 262
SURFAX	Germany	Houghton Benelux BV	649 251
HOUGHTON BIO QUENCH	Germany	Houghton Benelux BV	711 473
HOUGHTON PHASE CONTROL	Germany	Houghton Benelux BV	720 251
AQUARAPID	Germany	Houghton Benelux BV	958 039
SURFAX	Holland		571,355
HOUGHTO SAFE	Holland		110,739
HOUGHTON PHASE CONTROL	Holland		649,653
HOUGHTON FLUIDCARE	Holland		649,915
HOUGHTON	Holland		306,563
SUPERFIN	Holland		523,962
AQUARAPID	Holland		538,381
VACU-QUENCH	Holland		537,865
HOUGHTO-QUENCH	Italy	Houghton Italia	458 514
LAPPING BASE	Italy	Houghton Italia	458 512

Ex. IV-7

**TRADEMARK**  
**REEL: 004469 FRAME: 0071**

HYDRA-VIS	Italy	Houghton Italia	458 515
HOUGHTON LOGO	Italy	Houghton Italia	322 896
HOUGHTON'S LIQUID HEAT	Italy	Houghton Italia	55 335
OVONUTREX	Italy	Houghton Italia	221 548
SULFONUTREX	Italy	Houghton Italia	221 547
VITSOL	Italy	Houghton Italia	221 550
GULTRONUTREX	Italy	Houghton Italia	221,547
NUCARB	Italy	Houghton Italia	221 505
MOULDLUBRICANT	Italy	Houghton Italia	239 522
NUTREX	Italy	Houghton Italia	102 313
DRAW-TEMP	Italy	Houghton Italia	63 625
TEMPERING OIL	Italy	Houghton Italia	282 188
HYDRO-DRIVE	Italy	Houghton Italia	107 439
HONING OIL	Italy	Houghton Italia	180 626
HOUGHTO-BLACK	Italy	Houghton Italia	180 627
HOUGHTO-SAFE	Italy	Houghton Italia	178 626
MAR-TEMP OIL	Italy	Houghton Italia	178 622
EFH AQUA QUENCH	Japan	Houghton JBO	1,969,993
COSMOLUBRIC	Japan	Houghton JBO	4,055,246
CUT-MAX (KATAKANA)	Japan	Houghton JBO	2,723,254
HOUGHTO DRAW	Japan	Houghton JBO	2,025,572
MAR-TEMP	Japan	Houghton JBO	520,939
HOUGHTON	Japan	Houghton JBO	520,938
HOUGHTO (KATAKANA)	Japan	Houghton JBO	2,102,191
CERFAK	Japan	Houghton JBO	2,106,203
HOCUT	Japan	Houghton JBO	560,215
HOUGHTO SAFE	Japan	Houghton JBO	554,287
RUST VETO	Japan	Houghton JBO	582,829
HOUGHTO CLEAN (KATAKANA)	Japan	Houghton JBO	2,481,551
TANDEMOL (KATAKANA)	Japan	Houghton JBO	2,543,244
HOUGHTON & H DESIGN	Japan	Houghton JBO	2,545,386
HOUGHTON & H DESIGN	Japan	Houghton JBO	2,560,746
HOUGHTO GRIND (KATAKANA)	Japan	Houghton JBO	2,620,874
HYDROLUBRIC	Japan	Houghton JBO	1,823,802
AQUA QUENCH	Japan	Houghton JBO	1,861,128
CINDOL	Japan	Houghton JBO	710,296
HOUGHTON (KATAKANA)	Japan	Houghton JBO	484,001
HOUGHTON	Korea	Houghton US LLC	49684
CINDOL	Korea	Houghton US LLC	49682
HOCUT	Korea	Houghton US LLC	50488
AQUA QUENCH	Korea	Houghton US LLC	50490
CUT-MAX	Korea	Houghton US LLC	49683
RUST VETO	Korea	Houghton US LLC	50489
HOUGHTON LOGO	Korea	Houghton US LLC	166483
TANDEMOL	Korea	Houghton US LLC	194492
HOUGHTO SAFE	Korea	Houghton US LLC	194491
PERMASOL	Korea	Houghton US LLC	159077
HYDRO DRIVE	Korea	Houghton US LLC	159078
HOUGHTO DRAW	Korea	Houghton US LLC	159079
HOUGHTO GRIND	Korea	Houghton US LLC	159080
HOUGHTON LOGO	Korea	Houghton US LLC	159081
CERFA-KLEEN	Korea	Houghton US LLC	160295

Ex. IV-8



HOUGHTO SAFE	Mexico	Houghton US LLC	342919
RUST VETO	Mexico	Houghton US LLC	308146
HOUGHTON	Mexico	Houghton US LLC	315264
AQUA QUENCH	Mexico	Houghton US LLC	530095
COSMOLUBRIC	Mexico	Houghton US LLC	530094
HOUGHTO QUENCH	Mexico	Houghton US LLC	516641
CINDOL	Mexico	Houghton US LLC	
HOCUT	Mexico	Houghton US LLC	
HOUGHTO SAFE	Spain	Houghton Iberica SA	1,522,697
HOUGHTO SAFE	Spain	Houghton Iberica SA	1,522,702
HOUGHTON LOGO	Spain	Houghton Iberica SA	1,522,689
HOUGHTON LOGO	Spain	Houghton Iberica SA	1,522,690
SOLCUT	Spain	Houghton Iberica SA	1,522,701
COSMOLUBRIC	Spain	Houghton Iberica SA	1,630,047
HOUGHTO QUENCH	Spain	Houghton Iberica SA	1,630,043
HYDRA VIS	Spain	Houghton Iberica SA	1,630,050
MOULDLUBRIC	Spain	Houghton Iberica SA	1,630,046
ALFAT K	Spain	Houghton Iberica SA	1,703,216
FLUIDCARE	Spain	Houghton Iberica SA	2,535,804
STEELLOY	Sweden	Houghton Sverige AB	338,349
HOUGHTON	Sweden	Houghton International Inc.	136,352
HOUGHTO SAFE	Sweden	Houghton International Inc.	139,818
DROMUS	Angola	Houghton Technical Corp.	7237
ENSIS	Angola	Houghton Technical Corp.	7229
MACRON	Angola	Houghton Technical Corp.	7227
METALINA	Bangladesh	Houghton Technical Corp.	49407
SITALA	Canada	Houghton Technical Corp.	1393795
METALINA	Gambia	Houghton Technical Corp.	143/11/96
ADRANA	Kosovo	Houghton Technical Corp.	1494
CALLINA	Kosovo	Houghton Technical Corp.	1295
DROMUS	Kosovo	Houghton Technical Corp.	1501
ENSIS	Kosovo	Houghton Technical Corp.	1279
GARIA	Kosovo	Houghton Technical Corp.	1464
MACRON	Kosovo	Houghton Technical Corp.	1465
METALINA	Kosovo	Houghton Technical Corp.	1486
SITALA	Kosovo	Houghton Technical Corp.	1484
VOLUTA	Kosovo	Houghton Technical	1441

Ex. IV-9

		Corp.	
DROMUS	Libya	Houghton Technical Corp.	2743
ENSIS	Libya	Houghton Technical Corp.	2744
GARIA	Libya	Houghton Technical Corp.	2778
MACRON	Libya	Houghton Technical Corp.	2773
METALINA	Libya	Houghton Technical Corp.	2769
VOLUTA	Libya	Houghton Technical Corp.	2784
VOLUTA	Nigeria	Houghton Technical Corp.	5362
ADRANA	Nigeria	Houghton Technical Corp.	20383
ADRANA	Venezuela	Houghton Technical Corp.	62286
GARIA	Nigeria	Houghton Technical Corp.	5402
ENSIS	Bahamas	Houghton Technical Corp.	3251
ENSIS	Bahamas	Houghton Technical Corp.	3252
ENSIS (& Arabic)	Iraq	Houghton Technical Corp.	5815
ADRANA (& Arabic)	Tunisia	Houghton Technical Corp.	141
ENSIS (& Arabic)	Tunisia	Houghton Technical Corp.	173
FENELLA (& Arabic)	Tunisia	Houghton Technical Corp.	175
MACRON (& Arabic)	Tunisia	Houghton Technical Corp.	192
GARIA	India	Houghton Technical Corp.	118041
FENELLA	Sierra Leone	Houghton Technical Corp.	2089
MACRON	Sierra Leone	Houghton Technical Corp.	2088
ENSIS	United Arab Emirates	Houghton Technical Corp.	2444
CALLINA	Brazil	Houghton Technical Corp.	816626707
SITALA	Brazil	Houghton Technical Corp.	816626693
FENELLA	Venezuela	Houghton Technical Corp.	20532
MACRON	Venezuela	Houghton Technical Corp.	20561
FENELLA	Botswana	Houghton Technical Corp.	426
MACRON	Botswana	Houghton Technical Corp.	427

Ex. IV-10

**TRADEMARK**  
**REEL: 004469 FRAME: 0074**

ADRANA	Bangladesh	Houghton Technical Corp.	9809
VOLUTA (& Arabic)	Egypt	Houghton Technical Corp.	12131
GARIA (& Arabic)	Egypt	Houghton Technical Corp.	12174
MACRON	United Arab Emirates	Houghton Technical Corp.	14996
VOLUTA	United Arab Emirates	Houghton Technical Corp.	14997
CALLINA	Tunisia	Houghton Technical Corp.	EE91/1005
SITALA	Tunisia	Houghton Technical Corp.	EE91/1002
MACRON	Surinam	Houghton Technical Corp.	15490
DROMUS	Venezuela	Houghton Technical Corp.	197729
GARIA	Venezuela	Houghton Technical Corp.	197728
VOLUTA	Venezuela	Houghton Technical Corp.	197727
METALINA	Congo (Democratic Republic)	Houghton Technical Corp.	2804/97
ENSIS	Venezuela	Houghton Technical Corp.	203368
GARIA	Gibraltar	Houghton Technical Corp.	7588
DROMUS	Swaziland	Houghton Technical Corp.	40/1945
GARIA	Brazil	Houghton Technical Corp.	2239167
MACRON	Antigua & Barbuda	Houghton Technical Corp.	1891
MACRON	St. Kitts Nevis	Houghton Technical Corp.	T49/1997
DROMUS	Congo (Democratic Republic)	Houghton Technical Corp.	6785/98
ADRANA (& Arabic)	Egypt	Houghton Technical Corp.	44580
MACRON	Panama	Houghton Technical Corp.	97145
VOLUTA	Panama	Houghton Technical Corp.	97142
MACRON	Brazil	Houghton Technical Corp.	2335085
ADRANA	Montenegro	Houghton Technical Corp.	18342
ENSIS	Montenegro	Houghton Technical Corp.	11951
DROMUS	Mozambique	Houghton Technical Corp.	1774/99
GARIA	Mozambique	Houghton Technical Corp.	1765/99

Ex. IV-11

**TRADEMARK**  
**REEL: 004469 FRAME: 0075**

		Corp.	
VOLUTA	Argentina	Houghton Technical Corp.	1762345
DROMUS	India	Houghton Technical Corp.	118034
ENSIS	India	Houghton Technical Corp.	118036
VOLUTA	India	Houghton Technical Corp.	118075
ENSIS	Surinam	Houghton Technical Corp.	2614
ENSIS	Zimbabwe	Houghton Technical Corp.	1431/1959
ENSIS	Vietnam	Houghton Technical Corp.	2032
DROMUS	Puerto Rico	Houghton Technical Corp.	11468
GARIA	Puerto Rico	Houghton Technical Corp.	11470
MACRON	Puerto Rico	Houghton Technical Corp.	11473
VOLUTA	Puerto Rico	Houghton Technical Corp.	11499
VOLUTA	Romania	Houghton Technical Corp.	3R2274
DROMUS	Jordan	Houghton Technical Corp.	968
ENSIS	Jordan	Houghton Technical Corp.	989
FENELLA	Jordan	Houghton Technical Corp.	991
GARIA	Jordan	Houghton Technical Corp.	994
MACRON	Jordan	Houghton Technical Corp.	1001
VOLUTA	Jordan	Houghton Technical Corp.	1027
ADRANA	India	Houghton Technical Corp.	251588
ENSIS	Turkmenistan	Houghton Technical Corp.	5057
MACRON	Turkmenistan	Houghton Technical Corp.	5056
ENSIS	Puerto Rico	Houghton Technical Corp.	7830
ENSIS	Puerto Rico	Houghton Technical Corp.	7831
ADRANA	Trinidad & Tobago	Houghton Technical Corp.	5071
ADRANA	Ghana	Houghton Technical Corp.	15970
METALINA	Malta	Houghton Technical Corp.	26334
ADRANA	Indonesia	Houghton Technical Corp.	450426

Ex. IV-12

**TRADEMARK**  
**REEL: 004469 FRAME: 0076**

METALINA	Sierra Leone	Houghton Technical Corp.	14645
METALINA	Uruguay	Houghton Technical Corp.	293518
FENELLA	Malaysia	Houghton Technical Corp.	M/20336
GARIA	Malaysia	Houghton Technical Corp.	M/20382
MACRON	Malaysia	Houghton Technical Corp.	M/20378
VOLUTA	Malaysia	Houghton Technical Corp.	M/20346
ADRANA	Taiwan	Houghton Technical Corp.	924212
IBSOL	United Kingdom	Houghton Technical Corp.	889968
CALLINA	Jordan	Houghton Technical Corp.	34346
CALLINA	Jordan	Houghton Technical Corp.	34350
GARIA	Bahamas	Houghton Technical Corp.	19373
METALINA	Bahamas	Houghton Technical Corp.	19375
VOLUTA	Bahamas	Houghton Technical Corp.	19374
METALINA	St. Lucia	Houghton Technical Corp.	40/1997
GARIA	Czech Republic	Houghton Technical Corp.	154700
MACRON	Czech Republic	Houghton Technical Corp.	154697
GARIA	Slovakia	Houghton Technical Corp.	154700
MACRON	Slovakia	Houghton Technical Corp.	154697
MACRON	Colombia	Houghton Technical Corp.	116982
METALINA	Fiji	Houghton Technical Corp.	149/97
CALLINA	Saudi Arabia	Houghton Technical Corp.	258/71
CALLINA	Saudi Arabia	Houghton Technical Corp.	258/72
SITALA	Saudi Arabia	Houghton Technical Corp.	258/74
SITALA	El Salvador	Houghton Technical Corp.	90/128
DROMUS	Benin	Houghton Technical Corp.	44848
ENSIS	Benin	Houghton Technical Corp.	44449
VOLUTA	Benin	Houghton Technical Corp.	44459
DROMUS	Burkina Faso	Houghton Technical	44848

Ex. IV-13

**TRADEMARK**  
**REEL: 004469 FRAME: 0077**

		Corp.	
ENSIS	Burkina Faso	Houghton Technical Corp.	44449
VOLUTA	Burkina Faso	Houghton Technical Corp.	44459
DROMUS	Cameroon	Houghton Technical Corp.	44848
ENSIS	Cameroon	Houghton Technical Corp.	44449
VOLUTA	Cameroon	Houghton Technical Corp.	44459
DROMUS	Central African Republic	Houghton Technical Corp.	44848
ENSIS	Central African Republic	Houghton Technical Corp.	44449
VOLUTA	Central African Republic	Houghton Technical Corp.	44459
DROMUS	Chad	Houghton Technical Corp.	44848
ENSIS	Chad	Houghton Technical Corp.	44449
VOLUTA	Chad	Houghton Technical Corp.	44459
DROMUS	Congo (Republic / Brazzaville)	Houghton Technical Corp.	44848
ENSIS	Congo (Republic / Brazzaville)	Houghton Technical Corp.	44449
VOLUTA	Congo (Republic / Brazzaville)	Houghton Technical Corp.	44459
DROMUS	Equatorial Guinea	Houghton Technical Corp.	44848
ENSIS	Equatorial Guinea	Houghton Technical Corp.	44449
VOLUTA	Equatorial Guinea	Houghton Technical Corp.	44459
DROMUS	Gabon	Houghton Technical Corp.	44848
ENSIS	Gabon	Houghton Technical Corp.	44449
VOLUTA	Gabon	Houghton Technical Corp.	44459
DROMUS	Guinea	Houghton Technical Corp.	44848
ENSIS	Guinea	Houghton Technical Corp.	44449
VOLUTA	Guinea	Houghton Technical Corp.	44459
DROMUS	Guinea-Bissau	Houghton Technical Corp.	44848
ENSIS	Guinea-Bissau	Houghton Technical Corp.	44449
VOLUTA	Guinea-Bissau	Houghton Technical Corp.	44459

Ex. IV-14

**TRADEMARK**  
**REEL: 004469 FRAME: 0078**

		Corp.	
DROMUS	Ivory Coast	Houghton Technical Corp.	44848
ENSIS	Ivory Coast	Houghton Technical Corp.	44449
VOLUTA	Ivory Coast	Houghton Technical Corp.	44459
DROMUS	Mali	Houghton Technical Corp.	44848
ENSIS	Mali	Houghton Technical Corp.	44449
VOLUTA	Mali	Houghton Technical Corp.	44459
DROMUS	Mauritania	Houghton Technical Corp.	44848
ENSIS	Mauritania	Houghton Technical Corp.	44449
VOLUTA	Mauritania	Houghton Technical Corp.	44459
DROMUS	Niger	Houghton Technical Corp.	44848
ENSIS	Niger	Houghton Technical Corp.	44449
VOLUTA	Niger	Houghton Technical Corp.	44459
DROMUS	OAPI	Houghton Technical Corp.	44848
ENSIS	OAPI	Houghton Technical Corp.	44449
VOLUTA	OAPI	Houghton Technical Corp.	44459
DROMUS	Senegal	Houghton Technical Corp.	44848
ENSIS	Senegal	Houghton Technical Corp.	44449
VOLUTA	Senegal	Houghton Technical Corp.	44459
DROMUS	Togo	Houghton Technical Corp.	44848
ENSIS	Togo	Houghton Technical Corp.	44449
VOLUTA	Togo	Houghton Technical Corp.	44459
DROMUS	Iran	Houghton Technical Corp.	21989
GARIA	Iran	Houghton Technical Corp.	21991
MACRON	Iran	Houghton Technical Corp.	22027
VOLUTA	Iran	Houghton Technical Corp.	22044
MACRON	Iceland	Houghton Technical Corp.	113/1981
METALINA	Iceland	Houghton Technical Corp.	116/1981

Ex. IV-15

**TRADEMARK**  
**REEL: 004469 FRAME: 0079**

MACRON	Argentina	Houghton Technical Corp.	1828855
DROMUS	Haiti	Houghton Technical Corp.	296/128
MACRON	Haiti	Houghton Technical Corp.	295/128
ADRANA	Bolivia	Houghton Technical Corp.	57849-A
ENSIS	Bolivia	Houghton Technical Corp.	57839-A
ENSIS	Nicaragua	Houghton Technical Corp.	11057cc
FENELLA	Argentina	Houghton Technical Corp.	1833951
DROMUS	Cambodia	Houghton Technical Corp.	KH015466/01
DROMUS	Japan	Houghton Technical Corp.	401993
GARIA	Japan	Houghton Technical Corp.	402004
MACRON	Japan	Houghton Technical Corp.	402012-1
VOLUTA	Japan	Houghton Technical Corp.	402037
DROMUS	Australia	Houghton Technical Corp.	A84589
ENSIS	Australia	Houghton Technical Corp.	A84591
VOLUTA	Australia	Houghton Technical Corp.	A84906
GARIA	Hungary	Houghton Technical Corp.	114347
MACRON	Hungary	Houghton Technical Corp.	114346
GARIA	Australia	Houghton Technical Corp.	A85035
CALLINA	Switzerland	Houghton Technical Corp.	393693
SITALA	Switzerland	Houghton Technical Corp.	393720
CALLINA	Macedonia	Houghton Technical Corp.	5015
SITALA	Macedonia	Houghton Technical Corp.	4935
CALLINA	Serbia	Houghton Technical Corp.	38727
SITALA	Serbia	Houghton Technical Corp.	38726
CALLINA	Slovenia	Houghton Technical Corp.	9182223
SITALA	Slovenia	Houghton Technical Corp.	9182222
CALLINA	Indonesia	Houghton Technical Corp.	484017
CALLINA	Indonesia	Houghton Technical	484018

Ex. IV-16

**TRADEMARK**  
**REEL: 004469 FRAME: 0080**



		Corp.	
SITALA	Indonesia	Houghton Technical Corp.	484016
CALLINA (& Arabic)	Egypt	Houghton Technical Corp.	81412
CALLINA (& Arabic)	Egypt	Houghton Technical Corp.	81415
SITALA (& Arabic)	Egypt	Houghton Technical Corp.	81414
CALLINA	France	Houghton Technical Corp.	1706211
SITALA	France	Houghton Technical Corp.	1706212
CALLINA	Hungary	Houghton Technical Corp.	134610
SITALA	Hungary	Houghton Technical Corp.	134613
CALLINA	Singapore	Houghton Technical Corp.	T91/10302C
CALLINA	Singapore	Houghton Technical Corp.	T91/10303A
SITALA	Singapore	Houghton Technical Corp.	T91/10300G
CALLINA	Benelux	Houghton Technical Corp.	507635
SITALA	Benelux	Houghton Technical Corp.	504159
CALLINA	Azerbaijan	Houghton Technical Corp.	20000266
CALLINA	Kyrgyzstan	Houghton Technical Corp.	2028
CALLINA	Russian Federation	Houghton Technical Corp.	108816
SITALA	Russian Federation	Houghton Technical Corp.	108379
CALLINA	South Africa	Houghton Technical Corp.	91/9942
CALLINA	South Africa	Houghton Technical Corp.	91/9943
SITALA	South Africa	Houghton Technical Corp.	91/9939
SITALA	Spain	Houghton Technical Corp.	1669488
CALLINA	Italy	Houghton Technical Corp.	986965
SITALA	Italy	Houghton Technical Corp.	986963
CALLINA	Greece	Houghton Technical Corp.	106881
SITALA	Greece	Houghton Technical Corp.	106879
CALLINA	Turkey	Houghton Technical Corp.	132767
SITALA	Turkey	Houghton Technical Corp.	132575

Ex. IV-17

**TRADEMARK**  
**REEL: 004469 FRAME: 0081**

CALLINA	Zimbabwe	Houghton Technical Corp.	1144/91
CALLINA	Zimbabwe	Houghton Technical Corp.	1143/91
SITALA	Zimbabwe	Houghton Technical Corp.	1141/91
CALLINA	Czech Republic	Houghton Technical Corp.	174564
CALLINA	Czech Republic	Houghton Technical Corp.	174565
SITALA	Czech Republic	Houghton Technical Corp.	174566
CALLINA	Slovakia	Houghton Technical Corp.	173708
CALLINA	Slovakia	Houghton Technical Corp.	173709
SITALA	Slovakia	Houghton Technical Corp.	173707
CALLINA	Germany	Houghton Technical Corp.	2019545
SITALA	Germany	Houghton Technical Corp.	2023284
CALLINA	Thailand	Houghton Technical Corp.	Kor153522
CALLINA	Thailand	Houghton Technical Corp.	Kor158990
SITALA	Thailand	Houghton Technical Corp.	Kor153526
CALLINA	Morocco	Houghton Technical Corp.	47803
SITALA	Morocco	Houghton Technical Corp.	47802
CALLINA	Spain	Houghton Technical Corp.	2442514
CALLINA	Spain	Houghton Technical Corp.	2442515
ENSIS	Tanganyika	Houghton Technical Corp.	1603
GARIA	Tanganyika	Houghton Technical Corp.	1608
VOLUTA	Tanganyika	Houghton Technical Corp.	1642
CALLINA	Benin	Houghton Technical Corp.	45488
SITALA	Benin	Houghton Technical Corp.	45489
CALLINA	Burkina Faso	Houghton Technical Corp.	45488
SITALA	Burkina Faso	Houghton Technical Corp.	45489
CALLINA	Cameroon	Houghton Technical Corp.	45488
SITALA	Cameroon	Houghton Technical Corp.	45489
CALLINA	Central African	Houghton Technical	45488

Ex. IV-18

**TRADEMARK**  
**REEL: 004469 FRAME: 0082**

	Republic	Corp.	
SITALA	Central African Republic	Houghton Technical Corp.	45489
CALLINA	Chad	Houghton Technical Corp.	45488
SITALA	Chad	Houghton Technical Corp.	45489
CALLINA	Congo (Republic / Brazzaville)	Houghton Technical Corp.	45488
SITALA	Congo (Republic / Brazzaville)	Houghton Technical Corp.	45489
CALLINA	Equatorial Guinea	Houghton Technical Corp.	45488
SITALA	Equatorial Guinea	Houghton Technical Corp.	45489
CALLINA	Gabon	Houghton Technical Corp.	45488
SITALA	Gabon	Houghton Technical Corp.	45489
CALLINA	Guinea	Houghton Technical Corp.	45488
SITALA	Guinea	Houghton Technical Corp.	45489
CALLINA	Guinea-Bissau	Houghton Technical Corp.	45488
SITALA	Guinea-Bissau	Houghton Technical Corp.	45489
CALLINA	Ivory Coast	Houghton Technical Corp.	45488
SITALA	Ivory Coast	Houghton Technical Corp.	45489
CALLINA	Mali	Houghton Technical Corp.	45488
SITALA	Mali	Houghton Technical Corp.	45489
CALLINA	Mauritania	Houghton Technical Corp.	45488
SITALA	Mauritania	Houghton Technical Corp.	45489
CALLINA	Niger	Houghton Technical Corp.	45488
SITALA	Niger	Houghton Technical Corp.	45489
CALLINA	OAPI	Houghton Technical Corp.	45488
SITALA	OAPI	Houghton Technical Corp.	45489
CALLINA	Senegal	Houghton Technical Corp.	45488
SITALA	Senegal	Houghton Technical Corp.	45489
CALLINA	Togo	Houghton Technical Corp.	45488

Ex. IV-19

SITALA	Togo	Houghton Technical Corp.	45489
GARIA	Kuwait	Houghton Technical Corp.	25249/23421
CALLINA	Peru	Houghton Technical Corp.	96001
CALLINA	Peru	Houghton Technical Corp.	96002
SITALA	Peru	Houghton Technical Corp.	95999
DROMUS (& Arabic)	Morocco	Houghton Technical Corp.	4031
GARIA	Poland	Houghton Technical Corp.	43117
MACRON	Poland	Houghton Technical Corp.	43119
CALLINA	Austria	Houghton Technical Corp.	140354
SITALA	Austria	Houghton Technical Corp.	140231
METALINA	Japan	Houghton Technical Corp.	2379277
METALINA (Katakana)	Japan	Houghton Technical Corp.	2379278
ENSIS	El Salvador	Houghton Technical Corp.	8546/28
DROMUS	Tanganyika	Houghton Technical Corp.	1601
CALLINA	Chile	Houghton Technical Corp.	627145
SITALA	Chile	Houghton Technical Corp.	627146
CALLINA	Uruguay	Houghton Technical Corp.	337786
SITALA	Uruguay	Houghton Technical Corp.	337785
ADRANA	Ecuador	Houghton Technical Corp.	1276
FENELLA	Ecuador	Houghton Technical Corp.	1484
ENSIS (& Arabic)	Algeria	Houghton Technical Corp.	021187/063325
GARIA (& Arabic)	Algeria	Houghton Technical Corp.	021178/063316
DROMUS (& Arabic)	Algeria	Houghton Technical Corp.	021228/063366
MACRON (& Arabic)	Algeria	Houghton Technical Corp.	021211/063349
FENELLA (& Arabic)	Algeria	Houghton Technical Corp.	021236/063374
VOLUTA (& Arabic)	Algeria	Houghton Technical Corp.	021237/063375
VOLUTA (& Arabic)	Syria	Houghton Technical Corp.	22722
SITALA	Taiwan	Houghton Technical	560518

Ex. IV-20

**TRADEMARK**  
**REEL: 004469 FRAME: 0084**

		Corp.	
DROMUS	Jamaica	Houghton Technical Corp.	4373
ENSIS	Jamaica	Houghton Technical Corp.	4377
GARIA	Jamaica	Houghton Technical Corp.	4383
VOLUTA	Jamaica	Houghton Technical Corp.	4416
CALLINA	Haiti	Houghton Technical Corp.	323/134
CALLINA	Haiti	Houghton Technical Corp.	324/134
SITALA	Haiti	Houghton Technical Corp.	321/134
DROMUS	Peru	Houghton Technical Corp.	10733
MACRON	Peru	Houghton Technical Corp.	10720
CALLINA	Paraguay	Houghton Technical Corp.	249063
SITALA	Paraguay	Houghton Technical Corp.	249067
CALLINA	Paraguay	Houghton Technical Corp.	249066
SITALA	Honduras	Houghton Technical Corp.	55568
CALLINA	Honduras	Houghton Technical Corp.	55606
CALLINA	Honduras	Houghton Technical Corp.	55607
DROMUS	Trinidad & Tobago	Houghton Technical Corp.	161/1946
ENSIS	Trinidad & Tobago	Houghton Technical Corp.	164/1946
GARIA	Trinidad & Tobago	Houghton Technical Corp.	171/1946
VOLUTA	Trinidad & Tobago	Houghton Technical Corp.	206/1946
GARIA (& Arabic)	Tunisia	Houghton Technical Corp.	EE021197
ENSIS	Ireland	Houghton Technical Corp.	41646
GARIA	Ireland	Houghton Technical Corp.	41658
VOLUTA	Ireland	Houghton Technical Corp.	41679
DROMUS (& Arabic)	Tunisia	Houghton Technical Corp.	EE021278
VOLUTA (& Arabic)	Tunisia	Houghton Technical Corp.	EE021189
VOLUTA	Belize	Houghton Technical Corp.	86602
CALLINA	Dominican Republic	Houghton Technical Corp.	54010

Ex. IV-21

**TRADEMARK**  
**REEL: 004469 FRAME: 0085**

CALLINA	Dominican Republic	Houghton Technical Corp.	54076
SITALA	Dominican Republic	Houghton Technical Corp.	54011
DROMUS (& Arabic)	Syria	Houghton Technical Corp.	22910
ENSIS (& Arabic)	Syria	Houghton Technical Corp.	22906
FENELLA (& Arabic)	Syria	Houghton Technical Corp.	22898
GARIA (& Arabic)	Syria	Houghton Technical Corp.	22971
MACRON (& Arabic)	Syria	Houghton Technical Corp.	22936
CALLINA	Denmark	Houghton Technical Corp.	VR 1992 08075
SITALA	Denmark	Houghton Technical Corp.	VR 1992 08077
ENSIS	Malta	Houghton Technical Corp.	3868
GARIA	Malta	Houghton Technical Corp.	3873
CALLINA	Sweden	Houghton Technical Corp.	240030
SITALA	Sweden	Houghton Technical Corp.	240032
ADRANA	Namibia	Houghton Technical Corp.	68/442
CALLINA	Korea (South)	Houghton Technical Corp.	250436
ADRANA	Sri Lanka	Houghton Technical Corp.	30675
DROMUS	Laos	Houghton Technical Corp.	1161
FENELLA	Ireland	Houghton Technical Corp.	42617
SITALA	Ecuador	Houghton Technical Corp.	435
CALLINA	New Zealand	Houghton Technical Corp.	214426
CALLINA	New Zealand	Houghton Technical Corp.	214427
SITALA	New Zealand	Houghton Technical Corp.	214424
CALLINA	Cyprus	Houghton Technical Corp.	35464
CALLINA	Cyprus	Houghton Technical Corp.	35465
SITALA	Cyprus	Houghton Technical Corp.	35467
GARIA	Colombia	Houghton Technical Corp.	22986
VOLUTA	Colombia	Houghton Technical Corp.	23025
CALLINA	Nigeria	Houghton Technical	54283

Ex. IV-22

**TRADEMARK**  
**REEL: 004469 FRAME: 0086**

		Corp.	
CALLINA	Nigeria	Houghton Technical Corp.	53019
SITALA	Nigeria	Houghton Technical Corp.	54319
GARIA	Philippines	Houghton Technical Corp.	SR-8753
CALLINA	Hong Kong	Houghton Technical Corp.	199800901
CALLINA	Hong Kong	Houghton Technical Corp.	199703105
SITALA	Hong Kong	Houghton Technical Corp.	199703106
CALLINA	Kenya	Houghton Technical Corp.	39406
CALLINA	Kenya	Houghton Technical Corp.	39407
SITALA	Kenya	Houghton Technical Corp.	39404
CALLINA	Latvia	Houghton Technical Corp.	M30953
GARIA	Latvia	Houghton Technical Corp.	M14033
MACRON	Latvia	Houghton Technical Corp.	M13954
ENSIS	Seychelles	Houghton Technical Corp.	1318(A)
ENSIS	Seychelles	Houghton Technical Corp.	1318(B)
CALLINA	China	Houghton Technical Corp.	624647
CALLINA	China	Houghton Technical Corp.	624646
SITALA	China	Houghton Technical Corp.	624649
FENELLA	Malta	Houghton Technical Corp.	4077
FENELLA	Kenya	Houghton Technical Corp.	3438
MACRON	Kenya	Houghton Technical Corp.	3439
FENELLA	Tanganyika	Houghton Technical Corp.	1814
MACRON	Tanganyika	Houghton Technical Corp.	1815
DICROL CPS	France	Houghton Technical Corp.	93452744
DICROL CPS	Benelux	Houghton Technical Corp.	527268
DICROL CPS	Germany	Houghton Technical Corp.	2065649
CALLINA	Finland	Houghton Technical Corp.	124737
SITALA	Finland	Houghton Technical Corp.	124738

Ex. IV-23

**TRADEMARK**  
**REEL: 004469 FRAME: 0087**

CALLINA	Norway	Houghton Technical Corp.	155125
SITALA	Norway	Houghton Technical Corp.	155126
VOLUTA	Peru	Houghton Technical Corp.	101601
GARIA	Slovenia	Houghton Technical Corp.	5380042
MACRON	Slovenia	Houghton Technical Corp.	5380045
GARIA	Angola	Houghton Technical Corp.	2471
METALINA	Benelux	Houghton Technical Corp.	317198
FENELLA	Australia	Houghton Technical Corp.	A90767
MACRON	Australia	Houghton Technical Corp.	A90768
CALLINA	Jamaica	Houghton Technical Corp.	26211
CALLINA	Jamaica	Houghton Technical Corp.	25670
SITALA	Jamaica	Houghton Technical Corp.	25687
DROMUS	Croatia	Houghton Technical Corp.	Z960625
GARIA	Croatia	Houghton Technical Corp.	Z960628
MACRON	Croatia	Houghton Technical Corp.	Z960632
VOLUTA	Croatia	Houghton Technical Corp.	Z960642
DROMUS	Macedonia	Houghton Technical Corp.	3045
GARIA	Macedonia	Houghton Technical Corp.	4330
MACRON	Macedonia	Houghton Technical Corp.	4326
DROMUS	Serbia	Houghton Technical Corp.	12631
GARIA	Serbia	Houghton Technical Corp.	12633
MACRON	Serbia	Houghton Technical Corp.	12636
VOLUTA	Serbia	Houghton Technical Corp.	12650
CALLINA	Taiwan	Houghton Technical Corp.	1039981
GARIA	Lithuania	Houghton Technical Corp.	9517
MACRON	Lithuania	Houghton Technical Corp.	9523
FENELLA	Jamaica	Houghton Technical Corp.	4733
MACRON	Jamaica	Houghton Technical	4732

Ex. IV-24



		Corp.	
CALLINA	Lithuania	Houghton Technical Corp.	23849
DROMUS	Brunei Darussalam	Houghton Technical Corp.	8603
ENSIS	Brunei Darussalam	Houghton Technical Corp.	8608
VOLUTA	Brunei Darussalam	Houghton Technical Corp.	8618
ADRANA	Lebanon	Houghton Technical Corp.	77088
CALLINA	El Salvador	Houghton Technical Corp.	37/18
FENELLA	Trinidad & Tobago	Houghton Technical Corp.	173/1947
MACRON	Trinidad & Tobago	Houghton Technical Corp.	171/1947
DROMUS	Ecuador	Houghton Technical Corp.	3386
ENSIS	Papua New Guinea	Houghton Technical Corp.	A53764
MACRON	Oman	Houghton Technical Corp.	8693
DROMUS	Lesotho	Houghton Technical Corp.	LSM/93/00745
ENSIS	St. Kitts Nevis	Houghton Technical Corp.	2003/0491
DROMUS	Botswana	Houghton Technical Corp.	386
ENSIS	Botswana	Houghton Technical Corp.	388
ENSIS	Lesotho	Houghton Technical Corp.	LSM/93/00746
DROMUS	South Africa	Houghton Technical Corp.	2132/45
ENSIS	South Africa	Houghton Technical Corp.	2134/45
DROMUS	United Arab Emirates	Houghton Technical Corp.	2490
ENSIS	United Arab Emirates	Houghton Technical Corp.	2445
GARIA	United Arab Emirates	Houghton Technical Corp.	2446
ADRANA	Australia	Houghton Technical Corp.	A222243
ADRANA	Tanganyika	Houghton Technical Corp.	11905
ADRANA	Mauritius	Houghton Technical Corp.	A13/332
ADRANA	Jamaica	Houghton Technical Corp.	12507
ADRANA	Malaysia	Houghton Technical Corp.	M/50754
ADRANA	Jordan	Houghton Technical Corp.	10098

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**TRADEMARK**  
**REEL: 004469 FRAME: 0089**

VOLUTA	Botswana	Houghton Technical Corp.	412
VOLUTA	Lesotho	Houghton Technical Corp.	LS/M93/00953
VOLUTA	South Africa	Houghton Technical Corp.	2404/5
DRAWMAX	India	Houghton Technical Corp.	1239883
HONEX	India	Houghton Technical Corp.	1239882
MACHINEMAX	India	Houghton Technical Corp.	1239881
SUPERCUTPLUS	India	Houghton Technical Corp.	1239884
ADRANA	Syria	Houghton Technical Corp.	24694
ADRANA	Singapore	Houghton Technical Corp.	T68/T44792G
MACRON	Benin	Houghton Technical Corp.	48756
METALINA	Benin	Houghton Technical Corp.	48762
MACRON	Burkina Faso	Houghton Technical Corp.	48756
METALINA	Burkina Faso	Houghton Technical Corp.	48762
MACRON	Cameroon	Houghton Technical Corp.	48756
METALINA	Cameroon	Houghton Technical Corp.	48762
MACRON	Central African Republic	Houghton Technical Corp.	48756
METALINA	Central African Republic	Houghton Technical Corp.	48762
MACRON	Chad	Houghton Technical Corp.	48756
METALINA	Chad	Houghton Technical Corp.	48762
MACRON	Congo (Republic / Brazzaville)	Houghton Technical Corp.	48756
METALINA	Congo (Republic / Brazzaville)	Houghton Technical Corp.	48762
MACRON	Equatorial Guinea	Houghton Technical Corp.	48756
METALINA	Equatorial Guinea	Houghton Technical Corp.	48762
MACRON	Gabon	Houghton Technical Corp.	48756
METALINA	Gabon	Houghton Technical Corp.	48762
MACRON	Guinea	Houghton Technical Corp.	48756
METALINA	Guinea	Houghton Technical Corp.	48762

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		Corp.	
MACRON	Guinea-Bissau	Houghton Technical Corp.	48756
METALINA	Guinea-Bissau	Houghton Technical Corp.	48762
MACRON	Ivory Coast	Houghton Technical Corp.	48756
METALINA	Ivory Coast	Houghton Technical Corp.	48762
MACRON	Mali	Houghton Technical Corp.	48756
METALINA	Mali	Houghton Technical Corp.	48762
MACRON	Mauritania	Houghton Technical Corp.	48756
METALINA	Mauritania	Houghton Technical Corp.	48762
MACRON	Niger	Houghton Technical Corp.	48756
METALINA	Niger	Houghton Technical Corp.	48762
MACRON	OAPI	Houghton Technical Corp.	48756
METALINA	OAPI	Houghton Technical Corp.	48762
MACRON	Senegal	Houghton Technical Corp.	48756
METALINA	Senegal	Houghton Technical Corp.	48762
MACRON	Togo	Houghton Technical Corp.	48756
METALINA	Togo	Houghton Technical Corp.	48762
DROMUS	Belarus	Houghton Technical Corp.	868
GARIA	Belarus	Houghton Technical Corp.	863
MACRON	Belarus	Houghton Technical Corp.	884
VOLUTA	Belarus	Houghton Technical Corp.	907
DROMUS	Mexico	Houghton Technical Corp.	357301
ADRANA	China	Houghton Technical Corp.	3255106
DROMUS	Dominican Republic	Houghton Technical Corp.	59038
GARIA	Dominican Republic	Houghton Technical Corp.	59036
DROMUS	Kazakhstan	Houghton Technical Corp.	1895
GARIA	Kazakhstan	Houghton Technical Corp.	1891
MACRON	Kazakhstan	Houghton Technical Corp.	1886

Ex. IV-27

VOLUTA	Kazakhstan	Houghton Technical Corp.	1866
ADRANA	Kenya	Houghton Technical Corp.	KE/T/196816206
GARIA	Botswana	Houghton Technical Corp.	369
GARIA	Lesotho	Houghton Technical Corp.	LSM/93/01171
GARIA	South Africa	Houghton Technical Corp.	2838-45
GARIA	Moldova (Republic of)	Houghton Technical Corp.	R169
VOLUTA	Moldova (Republic of)	Houghton Technical Corp.	R187
CALLINA	Pakistan	Houghton Technical Corp.	113199
CALLINA	Pakistan	Houghton Technical Corp.	113200
SITALA	Pakistan	Houghton Technical Corp.	113198
DROMUS	Moldova (Republic of)	Houghton Technical Corp.	R299
MACRON	Moldova (Republic of)	Houghton Technical Corp.	R300
CALLINA	Brazil	Houghton Technical Corp.	816626685
ENSIS	Cambodia	Houghton Technical Corp.	3765
ENSIS	Cambodia	Houghton Technical Corp.	3766
VOLUTA	United Kingdom	Houghton Technical Corp.	1185811
FENELLA	India	Houghton Technical Corp.	126587
MACRON	India	Houghton Technical Corp.	126588
CALLINA	Japan	Houghton Technical Corp.	2608911
FENELLA	Austria	Houghton Technical Corp.	CTM 003596954
GARIA	Austria	Houghton Technical Corp.	CTM 003594751
FENELLA	Benelux	Houghton Technical Corp.	CTM 003596954
GARIA	Benelux	Houghton Technical Corp.	CTM 003594751
FENELLA	Bulgaria	Houghton Technical Corp.	CTM 003596954
GARIA	Bulgaria	Houghton Technical Corp.	CTM 003594751
FENELLA	CTM	Houghton Technical Corp.	CTM 003596954
GARIA	CTM	Houghton Technical Corp.	CTM 003594751
FENELLA	Cyprus	Houghton Technical	CTM 003596954

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**TRADEMARK**  
**REEL: 004469 FRAME: 0092**

		Corp.	
GARIA	Cyprus	Houghton Technical Corp.	CTM 003594751
FENELLA	Czech Republic	Houghton Technical Corp.	CTM 003596954
GARIA	Czech Republic	Houghton Technical Corp.	CTM 003594751
FENELLA	Denmark	Houghton Technical Corp.	CTM 003596954
GARIA	Denmark	Houghton Technical Corp.	CTM 003594751
FENELLA	Estonia	Houghton Technical Corp.	CTM 003596954
GARIA	Estonia	Houghton Technical Corp.	CTM 003594751
FENELLA	Finland	Houghton Technical Corp.	CTM 003596954
GARIA	Finland	Houghton Technical Corp.	CTM 003594751
FENELLA	France	Houghton Technical Corp.	CTM 003596954
GARIA	France	Houghton Technical Corp.	CTM 003594751
FENELLA	Germany	Houghton Technical Corp.	CTM 003596954
GARIA	Germany	Houghton Technical Corp.	CTM 003594751
FENELLA	Gibraltar	Houghton Technical Corp.	CTM 003596954
GARIA	Gibraltar	Houghton Technical Corp.	CTM 003594751
FENELLA	Greece	Houghton Technical Corp.	CTM 003596954
GARIA	Greece	Houghton Technical Corp.	CTM 003594751
FENELLA	Hungary	Houghton Technical Corp.	CTM 003596954
GARIA	Hungary	Houghton Technical Corp.	CTM 003594751
FENELLA	Ireland	Houghton Technical Corp.	CTM 003596954
GARIA	Ireland	Houghton Technical Corp.	CTM 003594751
FENELLA	Italy	Houghton Technical Corp.	CTM 003596954
GARIA	Italy	Houghton Technical Corp.	CTM 003594751
FENELLA	Jersey	Houghton Technical Corp.	CTM 003596954
GARIA	Jersey	Houghton Technical Corp.	CTM 003594751
FENELLA	Latvia	Houghton Technical Corp.	CTM 003596954
GARIA	Latvia	Houghton Technical Corp.	CTM 003594751

Ex. IV-29

**TRADEMARK**  
**REEL: 004469 FRAME: 0093**

FENELLA	Lithuania	Houghton Technical Corp.	CTM 003596954
GARIA	Lithuania	Houghton Technical Corp.	CTM 003594751
FENELLA	Malta	Houghton Technical Corp.	CTM 003596954
GARIA	Malta	Houghton Technical Corp.	CTM 003594751
FENELLA	Poland	Houghton Technical Corp.	CTM 003596954
GARIA	Poland	Houghton Technical Corp.	CTM 003594751
FENELLA	Portugal	Houghton Technical Corp.	CTM 003596954
GARIA	Portugal	Houghton Technical Corp.	CTM 003594751
FENELLA	Romania	Houghton Technical Corp.	CTM 003596954
GARIA	Romania	Houghton Technical Corp.	CTM 003594751
FENELLA	Slovakia	Houghton Technical Corp.	CTM 003596954
GARIA	Slovakia	Houghton Technical Corp.	CTM 003594751
FENELLA	Slovenia	Houghton Technical Corp.	CTM 003596954
GARIA	Slovenia	Houghton Technical Corp.	CTM 003594751
FENELLA	Spain	Houghton Technical Corp.	CTM 003596954
GARIA	Spain	Houghton Technical Corp.	CTM 003594751
FENELLA	Sweden	Houghton Technical Corp.	CTM 003596954
GARIA	Sweden	Houghton Technical Corp.	CTM 003594751
FENELLA	United Kingdom	Houghton Technical Corp.	CTM 003596954
GARIA	United Kingdom	Houghton Technical Corp.	CTM 003594751
ENSIS	Austria	Houghton Technical Corp.	CTM 003604238
ENSIS	Benelux	Houghton Technical Corp.	CTM 003604238
ENSIS	Bulgaria	Houghton Technical Corp.	CTM 003604238
ENSIS	CTM	Houghton Technical Corp.	CTM 003604238
ENSIS	Cyprus	Houghton Technical Corp.	CTM 003604238
ENSIS	Czech Republic	Houghton Technical Corp.	CTM 003604238
ENSIS	Denmark	Houghton Technical Corp.	CTM 003604238
ENSIS	Estonia	Houghton Technical	CTM 003604238

		Corp.	
ENSIS	Finland	Houghton Technical Corp.	CTM 003604238
ENSIS	France	Houghton Technical Corp.	CTM 003604238
ENSIS	Germany	Houghton Technical Corp.	CTM 003604238
ENSIS	Gibraltar	Houghton Technical Corp.	CTM 003604238
ENSIS	Greece	Houghton Technical Corp.	CTM 003604238
ENSIS	Hungary	Houghton Technical Corp.	CTM 003604238
ENSIS	Ireland	Houghton Technical Corp.	CTM 003604238
ENSIS	Italy	Houghton Technical Corp.	CTM 003604238
ENSIS	Jersey	Houghton Technical Corp.	CTM 003604238
ENSIS	Latvia	Houghton Technical Corp.	CTM 003604238
ENSIS	Lithuania	Houghton Technical Corp.	CTM 003604238
ENSIS	Malta	Houghton Technical Corp.	CTM 003604238
ENSIS	Poland	Houghton Technical Corp.	CTM 003604238
ENSIS	Portugal	Houghton Technical Corp.	CTM 003604238
ENSIS	Romania	Houghton Technical Corp.	CTM 003604238
ENSIS	Slovakia	Houghton Technical Corp.	CTM 003604238
ENSIS	Slovenia	Houghton Technical Corp.	CTM 003604238
ENSIS	Spain	Houghton Technical Corp.	CTM 003604238
ENSIS	Sweden	Houghton Technical Corp.	CTM 003604238
ENSIS	United Kingdom	Houghton Technical Corp.	CTM 003604238
CALLINA	Colombia	Houghton Technical Corp.	148745
CALLINA	Colombia	Houghton Technical Corp.	154440
SITALA	Colombia	Houghton Technical Corp.	148748
CALLINA	Ecuador	Houghton Technical Corp.	2241
CALLINA	Ecuador	Houghton Technical Corp.	2242
DROMUS	Hong Kong	Houghton Technical Corp.	19480595
ENSIS	Hong Kong	Houghton Technical Corp.	19480596

Ex. IV-31

**TRADEMARK**  
**REEL: 004469 FRAME: 0095**

FENELLA	Hong Kong	Houghton Technical Corp.	19480598
GARIA	Hong Kong	Houghton Technical Corp.	19480600
MACRON	Hong Kong	Houghton Technical Corp.	19480607
VOLUTA	Hong Kong	Houghton Technical Corp.	19480647
METALINA	Jamaica	Houghton Technical Corp.	32208
ENSIS (& Arabic)	Qatar	Houghton Technical Corp.	4047
MACRON	Sri Lanka	Houghton Technical Corp.	69647
MACRON	Philippines	Houghton Technical Corp.	57317
ENSIS	Philippines	Houghton Technical Corp.	57433
ENSIS	Philippines	Houghton Technical Corp.	57527
GARIA	Brunei Darussalam	Houghton Technical Corp.	22278
MACRON	Brunei Darussalam	Houghton Technical Corp.	22279
METALINA	Brunei Darussalam	Houghton Technical Corp.	22277
CALLINA	Austria	Houghton Technical Corp.	CTM 003743143
METALINA	Austria	Houghton Technical Corp.	CTM 003745513
SITALA	Austria	Houghton Technical Corp.	CTM 003743135
CALLINA	Benelux	Houghton Technical Corp.	CTM 003743143
METALINA	Benelux	Houghton Technical Corp.	CTM 003745513
SITALA	Benelux	Houghton Technical Corp.	CTM 003743135
CALLINA	Bulgaria	Houghton Technical Corp.	CTM 003743143
METALINA	Bulgaria	Houghton Technical Corp.	CTM 003745513
SITALA	Bulgaria	Houghton Technical Corp.	CTM 003743135
CALLINA	CTM	Houghton Technical Corp.	CTM 003743143
METALINA	CTM	Houghton Technical Corp.	CTM 003745513
SITALA	CTM	Houghton Technical Corp.	CTM 003743135
CALLINA	Cyprus	Houghton Technical Corp.	CTM 003743143
METALINA	Cyprus	Houghton Technical Corp.	CTM 003745513
SITALA	Cyprus	Houghton Technical	CTM 003743135

Ex. IV-32



		Corp.	
CALLINA	Czech Republic	Houghton Technical Corp.	CTM 003743143
METALINA	Czech Republic	Houghton Technical Corp.	CTM 003745513
SITALA	Czech Republic	Houghton Technical Corp.	CTM 003743135
CALLINA	Denmark	Houghton Technical Corp.	CTM 003743143
METALINA	Denmark	Houghton Technical Corp.	CTM 003745513
SITALA	Denmark	Houghton Technical Corp.	CTM 003743135
CALLINA	Estonia	Houghton Technical Corp.	CTM 003743143
METALINA	Estonia	Houghton Technical Corp.	CTM 003745513
SITALA	Estonia	Houghton Technical Corp.	CTM 003743135
CALLINA	Finland	Houghton Technical Corp.	CTM 003743143
METALINA	Finland	Houghton Technical Corp.	CTM 003745513
SITALA	Finland	Houghton Technical Corp.	CTM 003743135
CALLINA	France	Houghton Technical Corp.	CTM 003743143
METALINA	France	Houghton Technical Corp.	CTM 003745513
SITALA	France	Houghton Technical Corp.	CTM 003743135
CALLINA	Germany	Houghton Technical Corp.	CTM 003743143
METALINA	Germany	Houghton Technical Corp.	CTM 003745513
SITALA	Germany	Houghton Technical Corp.	CTM 003743135
CALLINA	Gibraltar	Houghton Technical Corp.	CTM 003743143
METALINA	Gibraltar	Houghton Technical Corp.	CTM 003745513
SITALA	Gibraltar	Houghton Technical Corp.	CTM 003743135
CALLINA	Greece	Houghton Technical Corp.	CTM 003743143
METALINA	Greece	Houghton Technical Corp.	CTM 003745513
SITALA	Greece	Houghton Technical Corp.	CTM 003743135
CALLINA	Hungary	Houghton Technical Corp.	CTM 003743143
METALINA	Hungary	Houghton Technical Corp.	CTM 003745513
SITALA	Hungary	Houghton Technical Corp.	CTM 003743135

Ex. IV-33

**TRADEMARK**  
**REEL: 004469 FRAME: 0097**

CALLINA	Ireland	Houghton Technical Corp.	CTM 003743143
METALINA	Ireland	Houghton Technical Corp.	CTM 003745513
SITALA	Ireland	Houghton Technical Corp.	CTM 003743135
CALLINA	Italy	Houghton Technical Corp.	CTM 003743143
METALINA	Italy	Houghton Technical Corp.	CTM 003745513
SITALA	Italy	Houghton Technical Corp.	CTM 003743135
CALLINA	Jersey	Houghton Technical Corp.	CTM 003743143
METALINA	Jersey	Houghton Technical Corp.	CTM 003745513
SITALA	Jersey	Houghton Technical Corp.	CTM 003743135
CALLINA	Latvia	Houghton Technical Corp.	CTM 003743143
METALINA	Latvia	Houghton Technical Corp.	CTM 003745513
SITALA	Latvia	Houghton Technical Corp.	CTM 003743135
CALLINA	Lithuania	Houghton Technical Corp.	CTM 003743143
METALINA	Lithuania	Houghton Technical Corp.	CTM 003745513
SITALA	Lithuania	Houghton Technical Corp.	CTM 003743135
CALLINA	Malta	Houghton Technical Corp.	CTM 003743143
METALINA	Malta	Houghton Technical Corp.	CTM 003745513
SITALA	Malta	Houghton Technical Corp.	CTM 003743135
CALLINA	Poland	Houghton Technical Corp.	CTM 003743143
METALINA	Poland	Houghton Technical Corp.	CTM 003745513
SITALA	Poland	Houghton Technical Corp.	CTM 003743135
CALLINA	Portugal	Houghton Technical Corp.	CTM 003743143
METALINA	Portugal	Houghton Technical Corp.	CTM 003745513
SITALA	Portugal	Houghton Technical Corp.	CTM 003743135
CALLINA	Romania	Houghton Technical Corp.	CTM 003743143
METALINA	Romania	Houghton Technical Corp.	CTM 003745513
SITALA	Romania	Houghton Technical Corp.	CTM 003743135
CALLINA	Slovakia	Houghton Technical	CTM 003743143

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**TRADEMARK**  
**REEL: 004469 FRAME: 0098**

		Corp.	
METALINA	Slovakia	Houghton Technical Corp.	CTM 003745513
SITALA	Slovakia	Houghton Technical Corp.	CTM 003743135
CALLINA	Slovenia	Houghton Technical Corp.	CTM 003743143
METALINA	Slovenia	Houghton Technical Corp.	CTM 003745513
SITALA	Slovenia	Houghton Technical Corp.	CTM 003743135
CALLINA	Spain	Houghton Technical Corp.	CTM 003743143
METALINA	Spain	Houghton Technical Corp.	CTM 003745513
SITALA	Spain	Houghton Technical Corp.	CTM 003743135
CALLINA	Sweden	Houghton Technical Corp.	CTM 003743143
METALINA	Sweden	Houghton Technical Corp.	CTM 003745513
SITALA	Sweden	Houghton Technical Corp.	CTM 003743135
CALLINA	United Kingdom	Houghton Technical Corp.	CTM 003743143
METALINA	United Kingdom	Houghton Technical Corp.	CTM 003745513
SITALA	United Kingdom	Houghton Technical Corp.	CTM 003743135
ADRANA	Hong Kong	Houghton Technical Corp.	19691519
ADRANA	Argentina	Houghton Technical Corp.	1978972
SITALA	Japan	Houghton Technical Corp.	2646075
ENSIS (& Arabic)	Yemen	Houghton Technical Corp.	1247
CALLINA	Guatemala	Houghton Technical Corp.	70634
CALLINA	Guatemala	Houghton Technical Corp.	70875
ADRANA	Mexico	Houghton Technical Corp.	839564
DROMUS	Albania	Houghton Technical Corp.	777
ENSIS	Mexico	Houghton Technical Corp.	480424
VOLUTA	Mexico	Houghton Technical Corp.	367684
ENSIS	Laos	Houghton Technical Corp.	2797
DROMUS	Ghana	Houghton Technical Corp.	8643
ENSIS	Ghana	Houghton Technical Corp.	8645

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ENSIS	Ghana	Houghton Technical Corp.	8647
FENELLA	Ghana	Houghton Technical Corp.	8649
GARIA	Ghana	Houghton Technical Corp.	8652
MACRON	Ghana	Houghton Technical Corp.	8665
VOLUTA	Ghana	Houghton Technical Corp.	8734
VOLUTA	Ghana	Houghton Technical Corp.	8737
GARIA	Mexico	Houghton Technical Corp.	472551
MACRON	Mexico	Houghton Technical Corp.	472552
ENSIS	Ukraine	Houghton Technical Corp.	12043
ENSIS	Colombia	Houghton Technical Corp.	167284
FENELLA	Colombia	Houghton Technical Corp.	171043
DROMUS	Liberia	Houghton Technical Corp.	4686/146
METALINA	Taiwan	Houghton Technical Corp.	541338
CALLINA	Kuwait	Houghton Technical Corp.	29632/27330
CALLINA	Kuwait	Houghton Technical Corp.	29633/27331
ENSIS	United Kingdom	Houghton Technical Corp.	2000272
DROMUS	St. Lucia	Houghton Technical Corp.	TM/1976/000132
ENSIS	St. Lucia	Houghton Technical Corp.	TM/1976/000133
ENSIS	St. Lucia	Houghton Technical Corp.	TM/1976/000134
ENSIS	France	Houghton Technical Corp.	1294202
DROMUS	Taiwan	Houghton Technical Corp.	660977
CALLINA	Lesotho	Houghton Technical Corp.	LS/M/94/00844
GARIA	Benin	Houghton Technical Corp.	34558/84058
GARIA	Burkina Faso	Houghton Technical Corp.	34558/84058
GARIA	Cameroon	Houghton Technical Corp.	34558/84058
GARIA	Central African Republic	Houghton Technical Corp.	34558/84058
GARIA	Chad	Houghton Technical Corp.	34558/84058
GARIA	Congo	Houghton Technical	34558/84058

Ex. IV-36

**TRADEMARK**  
**REEL: 004469 FRAME: 0100**

	(Republic / Brazzaville)	Corp.	
GARIA	Equatorial Guinea	Houghton Technical Corp.	34558/84058
GARIA	Gabon	Houghton Technical Corp.	34558/84058
GARIA	Guinea	Houghton Technical Corp.	34558/84058
GARIA	Guinea-Bissau	Houghton Technical Corp.	34558/84058
GARIA	Ivory Coast	Houghton Technical Corp.	34558/84058
GARIA	Madagascar	Houghton Technical Corp.	749
GARIA	Mali	Houghton Technical Corp.	34558/84058
GARIA	Mauritania	Houghton Technical Corp.	34558/84058
GARIA	Niger	Houghton Technical Corp.	34558/84058
GARIA	OAPI	Houghton Technical Corp.	34558/84058
GARIA	Senegal	Houghton Technical Corp.	34558/84058
GARIA	Togo	Houghton Technical Corp.	34558/84058
DROMUS	Mauritius	Houghton Technical Corp.	REGA/5145
ENSIS	Mauritius	Houghton Technical Corp.	REGA/5147
FENELLA	Mauritius	Houghton Technical Corp.	REGA/5345
GARIA	Mauritius	Houghton Technical Corp.	REGA/5152
MACRON	Mauritius	Houghton Technical Corp.	REGA/5347
VOLUTA	Mauritius	Houghton Technical Corp.	REGA/5188
FENELLA	Lesotho	Houghton Technical Corp.	LS/M/95/00002
MACRON	Lesotho	Houghton Technical Corp.	LSM/95/00006
FENELLA	South Africa	Houghton Technical Corp.	91/47
MACRON	South Africa	Houghton Technical Corp.	92/47
FENELLA	Namibia	Houghton Technical Corp.	1618/47
MACRON	Namibia	Houghton Technical Corp.	1619/47
ENSIS	Kuwait	Houghton Technical Corp.	17698/16546
ENSIS	Kuwait	Houghton Technical Corp.	17699/16547
CALLINA	Mexico	Houghton Technical	917149

Ex. IV-37

**TRADEMARK**  
**REEL: 004469 FRAME: 0101**

		Corp.	
CALLINA	Mexico	Houghton Technical Corp.	905072
ENSIS	Japan	Houghton Technical Corp.	1752571
ADRANA	Brazil	Houghton Technical Corp.	006074383
CALLINA	Tajikistan	Houghton Technical Corp.	TJ1917
DROMUS	Tajikistan	Houghton Technical Corp.	TJ1932
GARIA	Tajikistan	Houghton Technical Corp.	TJ1939
MACRON	Tajikistan	Houghton Technical Corp.	TJ1945
VOLUTA	Tajikistan	Houghton Technical Corp.	TJ1974
CALLINA	Argentina	Houghton Technical Corp.	2027094
CALLINA	Argentina	Houghton Technical Corp.	2027095
SITALA	Argentina	Houghton Technical Corp.	2027093
ADRANA	Pakistan	Houghton Technical Corp.	50110
ENSIS	Haiti	Houghton Technical Corp.	183/146
DROMUS	Azerbaijan	Houghton Technical Corp.	970465
GARIA	Azerbaijan	Houghton Technical Corp.	970459
MACRON	Azerbaijan	Houghton Technical Corp.	970468
VOLUTA	Azerbaijan	Houghton Technical Corp.	970512
GARIA	Estonia	Houghton Technical Corp.	7630
DROMUS	Kyrgyzstan	Houghton Technical Corp.	2013
GARIA	Kyrgyzstan	Houghton Technical Corp.	2006
MACRON	Kyrgyzstan	Houghton Technical Corp.	2000
VOLUTA	Kyrgyzstan	Houghton Technical Corp.	1967
DROMUS	Russian Federation	Houghton Technical Corp.	30834
ENSIS	Russian Federation	Houghton Technical Corp.	30796
GARIA	Russian Federation	Houghton Technical Corp.	30814
MACRON	Russian Federation	Houghton Technical Corp.	30845
VOLUTA	Russian Federation	Houghton Technical Corp.	30831

Ex. IV-38

**TRADEMARK**  
**REEL: 004469 FRAME: 0102**

DROMUS	Ukraine	Houghton Technical Corp.	1901
GARIA	Ukraine	Houghton Technical Corp.	1904
MACRON	Ukraine	Houghton Technical Corp.	1888
VOLUTA	Ukraine	Houghton Technical Corp.	1900
DROMUS	Uzbekistan	Houghton Technical Corp.	609
GARIA	Uzbekistan	Houghton Technical Corp.	613
MACRON	Uzbekistan	Houghton Technical Corp.	619
VOLUTA	Uzbekistan	Houghton Technical Corp.	645
DROMUS	Egypt	Houghton Technical Corp.	11914
ENSIS (& Arabic)	Egypt	Houghton Technical Corp.	11916
METALINA	Slovakia	Houghton Technical Corp.	182224
DROMUS	Vietnam	Houghton Technical Corp.	20921
MACRON	Vietnam	Houghton Technical Corp.	23512
DROMUS	Nigeria	Houghton Technical Corp.	5307
ENSIS	Nigeria	Houghton Technical Corp.	5309
FENELLA	Benin	Houghton Technical Corp.	35464/12190
FENELLA	Burkina Faso	Houghton Technical Corp.	35464/12190
FENELLA	Cameroon	Houghton Technical Corp.	35464/12190
FENELLA	Central African Republic	Houghton Technical Corp.	35464/12190
FENELLA	Chad	Houghton Technical Corp.	35464/12190
FENELLA	Congo (Republic / Brazzaville)	Houghton Technical Corp.	35464/12190
FENELLA	Equatorial Guinea	Houghton Technical Corp.	35464/12190
FENELLA	Gabon	Houghton Technical Corp.	35464/12190
FENELLA	Guinea	Houghton Technical Corp.	35464/12190
FENELLA	Guinea-Bissau	Houghton Technical Corp.	35464/12190
FENELLA	Ivory Coast	Houghton Technical Corp.	35464/12190
FENELLA	Mali	Houghton Technical Corp.	35464/12190

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**TRADEMARK**  
**REEL: 004469 FRAME: 0103**

FENELLA	Mauritania	Houghton Technical Corp.	35464/12190
FENELLA	Niger	Houghton Technical Corp.	35464/12190
FENELLA	OAPI	Houghton Technical Corp.	35464/12190
FENELLA	Senegal	Houghton Technical Corp.	35464/12190
FENELLA	Togo	Houghton Technical Corp.	35464/12190
DROMUS	Papua New Guinea	Houghton Technical Corp.	A5007R
GARIA	Papua New Guinea	Houghton Technical Corp.	A5018R
ADRANA	Zimbabwe	Houghton Technical Corp.	909/68
GARIA	Panama	Houghton Technical Corp.	8994
GARIA	Taiwan	Houghton Technical Corp.	691900
MACRON	Taiwan	Houghton Technical Corp.	691899
VOLUTA	Taiwan	Houghton Technical Corp.	691901
VOLUTA	Bulgaria	Houghton Technical Corp.	15430
DROMUS	Switzerland	Houghton Technical Corp.	342600
ENSIS	Switzerland	Houghton Technical Corp.	342601
VOLUTA	Switzerland	Houghton Technical Corp.	342756
GARIA	Peru	Houghton Technical Corp.	38051
DROMUS	Madagascar	Houghton Technical Corp.	357MV
ENSIS	Madagascar	Houghton Technical Corp.	MV358
MACRON	Madagascar	Houghton Technical Corp.	343MV
CALLINA	India	Houghton Technical Corp.	561926
CALLINA	India	Houghton Technical Corp.	561950
SITALA	India	Houghton Technical Corp.	561929
GARIA	Sierra Leone	Houghton Technical Corp.	1871
DROMUS	Sierra Leone	Houghton Technical Corp.	1931
ENSIS	Sierra Leone	Houghton Technical Corp.	1933
VOLUTA	Sierra Leone	Houghton Technical Corp.	1895
DROMUS	Kenya	Houghton Technical	3118

Ex. IV-40

**TRADEMARK**  
**REEL: 004469 FRAME: 0104**



		Corp.	
ENSIS	Kenya	Houghton Technical Corp.	3120
VOLUTA	Kenya	Houghton Technical Corp.	3153
DROMUS (& Arabic)	Yemen	Houghton Technical Corp.	6117
DROMUS	Uganda	Houghton Technical Corp.	1412
ENSIS	Uganda	Houghton Technical Corp.	1415
GARIA	Uganda	Houghton Technical Corp.	1419
VOLUTA	Uganda	Houghton Technical Corp.	1453
GARIA	Kenya	Houghton Technical Corp.	3159
GARIA	Ecuador	Houghton Technical Corp.	1063
MACRON	Ecuador	Houghton Technical Corp.	1062
ENSIS	Cyprus	Houghton Technical Corp.	2045A
GARIA	Cyprus	Houghton Technical Corp.	2049A
DROMUS	Bahamas	Houghton Technical Corp.	3231
CALLINA	Georgia	Houghton Technical Corp.	1526
GARIA	Georgia	Houghton Technical Corp.	1533
MACRON	Georgia	Houghton Technical Corp.	1534
VOLUTA	Georgia	Houghton Technical Corp.	1539
DROMUS	Zanzibar	Houghton Technical Corp.	36/1946
ENSIS	Zanzibar	Houghton Technical Corp.	38/1946
GARIA	Zanzibar	Houghton Technical Corp.	43/1946
VOLUTA	Zanzibar	Houghton Technical Corp.	77/1946
DROMUS	Georgia	Houghton Technical Corp.	1554
DROMUS	Gambia	Houghton Technical Corp.	1123
ENSIS	Gambia	Houghton Technical Corp.	1125
GARIA	Gambia	Houghton Technical Corp.	1162
VOLUTA	Gambia	Houghton Technical Corp.	1158
DROMUS	Sudan	Houghton Technical Corp.	1286

Ex. IV-41

ENSIS	Sudan	Houghton Technical Corp.	1288
GARIA	Sudan	Houghton Technical Corp.	1292
VOLUTA	Sudan	Houghton Technical Corp.	1327
DROMUS	Colombia	Houghton Technical Corp.	133012
CALLINA	Panama	Houghton Technical Corp.	72667
CALLINA	Panama	Houghton Technical Corp.	72668
ENSIS (& Arabic)	Bahrain	Houghton Technical Corp.	10240
ENSIS (& Arabic)	Bahrain	Houghton Technical Corp.	10239
ENSIS	Taiwan	Houghton Technical Corp.	715233
CALLINA	Armenia	Houghton Technical Corp.	225
DROMUS	Armenia	Houghton Technical Corp.	194
GARIA	Armenia	Houghton Technical Corp.	222
VOLUTA	Armenia	Houghton Technical Corp.	221
DROMUS	Nicaragua	Houghton Technical Corp.	R17033cc
ADRANA	Peru	Houghton Technical Corp.	91424
ENSIS	Peru	Houghton Technical Corp.	91582
FENELLA	Peru	Houghton Technical Corp.	91583
DROMUS	Malawi	Houghton Technical Corp.	183/1959
ENSIS	Malawi	Houghton Technical Corp.	180/1959
GARIA	Malawi	Houghton Technical Corp.	203/1959
VOLUTA	Malawi	Houghton Technical Corp.	1731/1958
DROMUS	Zambia	Houghton Technical Corp.	183/1959
ENSIS	Zambia	Houghton Technical Corp.	180/1959
GARIA	Zambia	Houghton Technical Corp.	203/1959
VOLUTA	Zambia	Houghton Technical Corp.	1731/1958
DROMUS	Guyana	Houghton Technical Corp.	2422A
ENSIS	Guyana	Houghton Technical Corp.	2424A
GARIA	Guyana	Houghton Technical	2429A

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**TRADEMARK**  
**REEL: 004469 FRAME: 0106**

		Corp.	
VOLUTA	Guyana	Houghton Technical Corp.	2464A
DROMUS	Singapore	Houghton Technical Corp.	T47/08976B
ENSIS	Singapore	Houghton Technical Corp.	T47/08959B
FENELLA	Singapore	Houghton Technical Corp.	T47/08967C
GARIA	Singapore	Houghton Technical Corp.	T47/08957F
MACRON	Singapore	Houghton Technical Corp.	T47/08943F
VOLUTA	Singapore	Houghton Technical Corp.	T47/08944D
ENSIS	St. Kitts Nevis	Houghton Technical Corp.	2006/0382
ENSIS	Antigua & Barbuda	Houghton Technical Corp.	1102
ENSIS	British Virgin Islands	Houghton Technical Corp.	700
ENSIS	British Virgin Islands	Houghton Technical Corp.	701
ENSIS	Dominica	Houghton Technical Corp.	1024
ENSIS	Dominica	Houghton Technical Corp.	1049595
ENSIS	Gibraltar	Houghton Technical Corp.	7583
ENSIS	Montserrat	Houghton Technical Corp.	927
ENSIS	Montserrat	Houghton Technical Corp.	926
ENSIS	United Kingdom	Houghton Technical Corp.	1049594
ENSIS	United Kingdom	Houghton Technical Corp.	1049595
DROMUS	Fiji	Houghton Technical Corp.	1175
ENSIS	Fiji	Houghton Technical Corp.	1177
GARIA	Fiji	Houghton Technical Corp.	1182
VOLUTA	Fiji	Houghton Technical Corp.	1218
DROMUS	Bolivia	Houghton Technical Corp.	67296-A
GARIA	Bolivia	Houghton Technical Corp.	67297-A
VOLUTA	Bolivia	Houghton Technical Corp.	67291-A
FENELLA	Zimbabwe	Houghton Technical Corp.	200/1959
MACRON	Zimbabwe	Houghton Technical Corp.	167/1959

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**TRADEMARK**  
**REEL: 004469 FRAME: 0107**

FENELLA	Mexico	Houghton Technical Corp.	949602
FENELLA	Thailand	Houghton Technical Corp.	Kor60250
FENELLA	Russian Federation	Houghton Technical Corp.	158123
GARIA	China	Houghton Technical Corp.	260969
DROMUS	China	Houghton Technical Corp.	261837
ENSIS	China	Houghton Technical Corp.	261855
MACRON	China	Houghton Technical Corp.	261852
VOLUTA	China	Houghton Technical Corp.	261862
ENSIS	Ecuador	Houghton Technical Corp.	4711
METALINA	China	Houghton Technical Corp.	263030
ENSIS	Kazakhstan	Houghton Technical Corp.	6793
ENSIS (& Katakana)	Japan	Houghton Technical Corp.	1889932
ENSIS	Belarus	Houghton Technical Corp.	9480
ADRANA	Colombia	Houghton Technical Corp.	135646
ENSIS	Latvia	Houghton Technical Corp.	M40668
ENSIS	Lithuania	Houghton Technical Corp.	31746
ENSIS	Moldova (Republic of)	Houghton Technical Corp.	R5143
ENSIS	Taiwan	Houghton Technical Corp.	729298
ENSIS	Uzbekistan	Houghton Technical Corp.	6871
ENSIS	Armenia	Houghton Technical Corp.	3200
MACRON	Armenia	Houghton Technical Corp.	3199
ENSIS	Tajikistan	Houghton Technical Corp.	TJ3300
VOLUTA	Ecuador	Houghton Technical Corp.	3796-06
DROMUS	Costa Rica	Houghton Technical Corp.	51144
GARIA	Costa Rica	Houghton Technical Corp.	51130
VOLUTA	Costa Rica	Houghton Technical Corp.	51140
FENELLA	Switzerland	Houghton Technical Corp.	350393
MACRON	Switzerland	Houghton Technical	350395

Ex. IV-44

**TRADEMARK**  
**REEL: 004469 FRAME: 0108**

		Corp.	
ENSIS	Croatia	Houghton Technical Corp.	Z961206
METALINA	Croatia	Houghton Technical Corp.	Z961205
METALINA	Serbia	Houghton Technical Corp.	42300
METALINA	Monaco	Houghton Technical Corp.	R96/17588
VOLUTA	Monaco	Houghton Technical Corp.	R96/17587
ENSIS	Slovenia	Houghton Technical Corp.	9671380
METALINA	Slovenia	Houghton Technical Corp.	9671381
DROMUS	Bahrain	Houghton Technical Corp.	10568
MACRON	Bahrain	Houghton Technical Corp.	10569
GARIA	Oman	Houghton Technical Corp.	14479
METALINA	Oman	Houghton Technical Corp.	14481
VOLUTA	Oman	Houghton Technical Corp.	14480
ENSIS	Macedonia	Houghton Technical Corp.	7251
METALINA	Macedonia	Houghton Technical Corp.	7252
VOLUTA	Macedonia	Houghton Technical Corp.	7253
FENELLA	Egypt	Houghton Technical Corp.	14712
MACRON (& Arabic)	Egypt	Houghton Technical Corp.	14713
DROMUS	Barbados	Houghton Technical Corp.	81/5502
FENELLA	Barbados	Houghton Technical Corp.	81/5504
GARIA	Barbados	Houghton Technical Corp.	81/5567
MACRON	Barbados	Houghton Technical Corp.	81/5512
VOLUTA	Barbados	Houghton Technical Corp.	81/5560
METALINA (& Arabic)	Qatar	Houghton Technical Corp.	15889
MACRON (& Arabic)	Qatar	Houghton Technical Corp.	15902
METALINA	Algeria	Houghton Technical Corp.	063119/069754
DROMUS (& Arabic)	Qatar	Houghton Technical Corp.	5653
GARIA (& Arabic)	Qatar	Houghton Technical Corp.	5654

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**TRADEMARK**  
**REEL: 004469 FRAME: 0109**

VOLUTA (& Arabic)	Qatar	Houghton Technical Corp.	5661
GARIA	Bahrain	Houghton Technical Corp.	21276
METALINA	Bahrain	Houghton Technical Corp.	21278
VOLUTA	Bahrain	Houghton Technical Corp.	21277
SITALA	Guatemala	Houghton Technical Corp.	81166
METALINA	Morocco	Houghton Technical Corp.	61226
METALINA	Madagascar	Houghton Technical Corp.	2278
VOLUTA	Madagascar	Houghton Technical Corp.	2279
GARIA	Albania	Houghton Technical Corp.	7468
MACRON	Albania	Houghton Technical Corp.	7588
VOLUTA	Albania	Houghton Technical Corp.	7466
ENSIS	Guatemala	Houghton Technical Corp.	6095
GARIA (& Arabic)	Iraq	Houghton Technical Corp.	30191
MACRON (& Arabic)	Iraq	Houghton Technical Corp.	30186
METALINA (& Arabic)	Iraq	Houghton Technical Corp.	30189
VOLUTA (& Arabic)	Iraq	Houghton Technical Corp.	30188
ENSIS	Congo (Democratic Republic)	Houghton Technical Corp.	5787/96
GARIA	Congo (Democratic Republic)	Houghton Technical Corp.	5783/96
MACRON	Congo (Democratic Republic)	Houghton Technical Corp.	5782/96
VOLUTA	Congo (Democratic Republic)	Houghton Technical Corp.	5785/96
DROMUS	Korea (North)	Houghton Technical Corp.	9140
ENSIS	Korea (North)	Houghton Technical Corp.	9141
GARIA	Korea (North)	Houghton Technical Corp.	9143
MACRON	Korea (North)	Houghton Technical Corp.	9587
VOLUTA	Korea (North)	Houghton Technical Corp.	9164
GARIA	Vietnam	Houghton Technical	26747

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**TRADEMARK**  
**REEL: 004469 FRAME: 0110**

		Corp.	
METALINA	Vietnam	Houghton Technical Corp.	26739
VOLUTA	Vietnam	Houghton Technical Corp.	26738
ENSIS	Albania	Houghton Technical Corp.	7628
CALLINA (& Katakana)	Japan	Houghton Technical Corp.	3237759
DROMUS	Kuwait	Houghton Technical Corp.	19756/18492
METALINA	Albania	Houghton Technical Corp.	7654
VOLUTA	Antigua & Barbuda	Houghton Technical Corp.	1875
VOLUTA	British Virgin Islands	Houghton Technical Corp.	1568
VOLUTA	Gibraltar	Houghton Technical Corp.	7586
VOLUTA	St. Kitts Nevis	Houghton Technical Corp.	2007/0077
VOLUTA	United Kingdom	Houghton Technical Corp.	665496
MACRON	Papua New Guinea	Houghton Technical Corp.	A59999
METALINA	Papua New Guinea	Houghton Technical Corp.	A60001
VOLUTA	Papua New Guinea	Houghton Technical Corp.	A60000
FENELLA	Zanzibar	Houghton Technical Corp.	23/1947
MACRON	Zanzibar	Houghton Technical Corp.	24/1947
DROMUS	Indonesia	Houghton Technical Corp.	IDM000119593
GARIA	Indonesia	Houghton Technical Corp.	IDM000119603
MACRON	Indonesia	Houghton Technical Corp.	IDM000119598
DROMUS	Monaco	Houghton Technical Corp.	2R97/17748
ENSIS	Monaco	Houghton Technical Corp.	2R97/17749
GARIA	Yemen	Houghton Technical Corp.	8527
MACRON	Yemen	Houghton Technical Corp.	8499
METALINA	Yemen	Houghton Technical Corp.	8528
VOLUTA	Yemen	Houghton Technical Corp.	8502
ENSIS	Aruba	Houghton Technical Corp.	18485
GARIA	Aruba	Houghton Technical Corp.	18480

Ex. IV-47

**TRADEMARK**  
**REEL: 004469 FRAME: 0111**

MACRON	Aruba	Houghton Technical Corp.	18501
METALINA	Aruba	Houghton Technical Corp.	18483
VOLUTA	Aruba	Houghton Technical Corp.	18482
VOLUTA	Indonesia	Houghton Technical Corp.	IDM000119779
FENELLA	Indonesia	Houghton Technical Corp.	IDM000119777
ENSIS	Belize	Houghton Technical Corp.	446107
METALINA	Belize	Houghton Technical Corp.	446507
DROMUS	Canada	Houghton Technical Corp.	TMA106143
GARIA	Surinam	Houghton Technical Corp.	15489
METALINA	Surinam	Houghton Technical Corp.	15499
VOLUTA	Surinam	Houghton Technical Corp.	15497
GARIA	Cambodia	Houghton Technical Corp.	8853
MACRON	Cambodia	Houghton Technical Corp.	8852
METALINA	Cambodia	Houghton Technical Corp.	8855
VOLUTA	Cambodia	Houghton Technical Corp.	8854
GARIA	Laos	Houghton Technical Corp.	4804
MACRON	Laos	Houghton Technical Corp.	4803
METALINA	Laos	Houghton Technical Corp.	4807
VOLUTA	Laos	Houghton Technical Corp.	4806
METALINA	Peru	Houghton Technical Corp.	34130
FENELLA	Cyprus	Houghton Technical Corp.	2383A
GARIA	Canada	Houghton Technical Corp.	TMA106141
METALINA	Trinidad & Tobago	Houghton Technical Corp.	26601
FENELLA	Taiwan	Houghton Technical Corp.	755230
METALINA	Swaziland	Houghton Technical Corp.	197/97
METALINA	Lesotho	Houghton Technical Corp.	97/00236
MACRON	Dominican Republic	Houghton Technical Corp.	88799
METALINA	Dominican	Houghton Technical	88797

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**TRADEMARK**  
**REEL: 004469 FRAME: 0112**



	Republic	Corp.	
DROMUS	Chile	Houghton Technical Corp.	791692
GARIA	Chile	Houghton Technical Corp.	791693
ENSIS	Azerbaijan	Houghton Technical Corp.	981135
MACRON	Canada	Houghton Technical Corp.	TMA106680
METALINA	Botswana	Houghton Technical Corp.	BW/M/97/00119
FENELLA	Sudan	Houghton Technical Corp.	1493
MACRON	Sudan	Houghton Technical Corp.	1494
MACRON	Bahamas	Houghton Technical Corp.	3532
MACRON	Kuwait	Houghton Technical Corp.	36754/33319
VOLUTA	Kuwait	Houghton Technical Corp.	36762/33312
FENELLA	Uganda	Houghton Technical Corp.	1671
MACRON	Uganda	Houghton Technical Corp.	1672
ENSIS	Cuba	Houghton Technical Corp.	112877
MACRON	Cuba	Houghton Technical Corp.	112865
VOLUTA	Chile	Houghton Technical Corp.	796309
FENELLA	Guyana	Houghton Technical Corp.	2619A
MACRON	Guyana	Houghton Technical Corp.	2621A
METALINA	Costa Rica	Houghton Technical Corp.	102262
DROMUS	Turkey	Houghton Technical Corp.	100411
ENSIS	Turkey	Houghton Technical Corp.	100645
FENELLA	Turkey	Houghton Technical Corp.	100367
GARIA	Turkey	Houghton Technical Corp.	99648
MACRON	Turkey	Houghton Technical Corp.	100374
VOLUTA	Turkey	Houghton Technical Corp.	101205
ENSIS	Iran	Houghton Technical Corp.	17280
ENSIS	Thailand	Houghton Technical Corp.	Kor63562
DROMUS	Morocco	Houghton Technical Corp.	R39174

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**TRADEMARK**  
**REEL: 004469 FRAME: 0113**

ENSIS	Morocco	Houghton Technical Corp.	R39175
FENELLA	Morocco	Houghton Technical Corp.	R39177
GARIA	Morocco	Houghton Technical Corp.	R39179
MACRON	Morocco	Houghton Technical Corp.	R39166
VOLUTA	Morocco	Houghton Technical Corp.	R39137
DROMUS	Norway	Houghton Technical Corp.	35440
ENSIS	Norway	Houghton Technical Corp.	35441
FENELLA	Norway	Houghton Technical Corp.	36120
GARIA	Norway	Houghton Technical Corp.	35444
MACRON	Norway	Houghton Technical Corp.	36153
VOLUTA	Norway	Houghton Technical Corp.	35493
DROMUS	Paraguay	Houghton Technical Corp.	305411
ENSIS	Paraguay	Houghton Technical Corp.	305412
GARIA	Paraguay	Houghton Technical Corp.	308187
VOLUTA	Paraguay	Houghton Technical Corp.	305430
VOLUTA	Nicaragua	Houghton Technical Corp.	R34784CC
GARIA	Haiti	Houghton Technical Corp.	10/157
METALINA	Haiti	Houghton Technical Corp.	12/157
VOLUTA	Haiti	Houghton Technical Corp.	11/157
GARIA	Nicaragua	Houghton Technical Corp.	R34794CC
MACRON	Nicaragua	Houghton Technical Corp.	R34839CC
FENELLA	Fiji	Houghton Technical Corp.	1286
MACRON	Fiji	Houghton Technical Corp.	1295
VOLUTA	Canada	Houghton Technical Corp.	TMA107683
GARIA	Honduras	Houghton Technical Corp.	69444
VOLUTA	Honduras	Houghton Technical Corp.	69488
ENSIS	Montserrat	Houghton Technical Corp.	567(15)
METALINA	Panama	Houghton Technical	89540

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**TRADEMARK**  
**REEL: 004469 FRAME: 0114**

		Corp.	
FENELLA	China	Houghton Technical Corp.	1093576
ADRANA	New Zealand	Houghton Technical Corp.	87938
ADRANA	Malawi	Houghton Technical Corp.	337/68
ENSIS	Canada	Houghton Technical Corp.	TMA108052
ADRANA	Zambia	Houghton Technical Corp.	539/68
DROMUS	Iceland	Houghton Technical Corp.	153/1957
GARIA	Iceland	Houghton Technical Corp.	154/1957
CALLINA	Turkmenistan	Houghton Technical Corp.	1231
DROMUS	Turkmenistan	Houghton Technical Corp.	1210
VOLUTA	Turkmenistan	Houghton Technical Corp.	1244
DROMUS	Namibia	Houghton Technical Corp.	1391/45
ENSIS	Namibia	Houghton Technical Corp.	1393/45
VOLUTA	Dominica	Houghton Technical Corp.	54/97
VOLUTA	Namibia	Houghton Technical Corp.	1407/45
GARIA	Turkmenistan	Houghton Technical Corp.	1358
MACRON	Honduras	Houghton Technical Corp.	69904
METALINA	Honduras	Houghton Technical Corp.	69899
FENELLA	Gambia	Houghton Technical Corp.	1294
MACRON	Gambia	Houghton Technical Corp.	1298
METALINA	Nicaragua	Houghton Technical Corp.	35628
METALINA	Guatemala	Houghton Technical Corp.	86947
GARIA	Cuba	Houghton Technical Corp.	113228
VOLUTA	Guatemala	Houghton Technical Corp.	88316
VOLUTA	Cuba	Houghton Technical Corp.	113271
ADRANA	Uganda	Houghton Technical Corp.	10921
GARIA	Namibia	Houghton Technical Corp.	1438/45
METALINA	Nigeria	Houghton Technical Corp.	54317

Ex. IV-51

**TRADEMARK**  
**REEL: 004469 FRAME: 0115**

MACRON	Guatemala	Houghton Technical Corp.	88884
FENELLA	Korea (South)	Houghton Technical Corp.	386744
SITALA	Korea (South)	Houghton Technical Corp.	386748
FENELLA	Bolivia	Houghton Technical Corp.	70606-A
MACRON	Bolivia	Houghton Technical Corp.	70605-A
DROMUS	Bulgaria	Houghton Technical Corp.	4650
GARIA	Bulgaria	Houghton Technical Corp.	4647
MACRON	Bulgaria	Houghton Technical Corp.	4680
CALLINA	El Salvador	Houghton Technical Corp.	92/65
GARIA	El Salvador	Houghton Technical Corp.	93/65
MACRON	El Salvador	Houghton Technical Corp.	95/65
DROMUS	Sri Lanka	Houghton Technical Corp.	9100
ENSIS	Sri Lanka	Houghton Technical Corp.	9102
GARIA	Sri Lanka	Houghton Technical Corp.	9107
VOLUTA	Sri Lanka	Houghton Technical Corp.	9141
DROMUS	Korea (South)	Houghton Technical Corp.	151237
ENSIS	Korea (South)	Houghton Technical Corp.	151250
MACRON	Korea (South)	Houghton Technical Corp.	0151236
VOLUTA	Korea (South)	Houghton Technical Corp.	0151243
DROMUS	Saudi Arabia	Houghton Technical Corp.	102/13
ENSIS	Saudi Arabia	Houghton Technical Corp.	102/32
GARIA	Saudi Arabia	Houghton Technical Corp.	102/15
MACRON	Saudi Arabia	Houghton Technical Corp.	102/16
VOLUTA	Saudi Arabia	Houghton Technical Corp.	102/6
METALINA	Guyana	Houghton Technical Corp.	15845A
FENELLA	Nigeria	Houghton Technical Corp.	5858
MACRON	Nigeria	Houghton Technical Corp.	5863
FENELLA	Japan	Houghton Technical	4122505

Ex. IV-52

		Corp.	
ENSIS	Dominican Republic	Houghton Technical Corp.	6466
DROMUS	Thailand	Houghton Technical Corp.	Kor70645
GARIA	Thailand	Houghton Technical Corp.	Kor70932
VOLUTA	Thailand	Houghton Technical Corp.	Kor85858
ENSIS	Nigeria	Houghton Technical Corp.	43603
ENSIS	Georgia	Houghton Technical Corp.	8787
METALINA	Ecuador	Houghton Technical Corp.	3186
DROMUS	Bangladesh	Houghton Technical Corp.	9935
ENSIS	Bangladesh	Houghton Technical Corp.	9944
FENELLA	Bangladesh	Houghton Technical Corp.	10018
GARIA	Bangladesh	Houghton Technical Corp.	10000
MACRON	Bangladesh	Houghton Technical Corp.	9964
VOLUTA	Bangladesh	Houghton Technical Corp.	9939
DROMUS	Pakistan	Houghton Technical Corp.	15641
ENSIS	Pakistan	Houghton Technical Corp.	15643
FENELLA	Pakistan	Houghton Technical Corp.	15645
GARIA	Pakistan	Houghton Technical Corp.	15648
MACRON	Pakistan	Houghton Technical Corp.	15662
VOLUTA	Pakistan	Houghton Technical Corp.	15744
VOLUTA	Iceland	Houghton Technical Corp.	131/1968
DROMUS	Honduras	Houghton Technical Corp.	24607
ENSIS	Bermuda	Houghton Technical Corp.	28738
GARIA	Bermuda	Houghton Technical Corp.	28735
MACRON	Bermuda	Houghton Technical Corp.	28756
METALINA	Bermuda	Houghton Technical Corp.	28736
VOLUTA	Bermuda	Houghton Technical Corp.	28757
ENSIS	Bulgaria	Houghton Technical Corp.	6115

Ex. IV-53

**TRADEMARK**  
**REEL: 004469 FRAME: 0117**

DROMUS	Romania	Houghton Technical Corp.	4R01606
ENSIS	Romania	Houghton Technical Corp.	4R01628
GARIA	Romania	Houghton Technical Corp.	4R01597
MACRON	Romania	Houghton Technical Corp.	4R01598
CALLINA	Bosnia & Herzegovina	Houghton Technical Corp.	BAZ982911
SITALA	Bosnia & Herzegovina	Houghton Technical Corp.	BAZ982913
DROMUS	Belize	Houghton Technical Corp.	6377
GARIA	Belize	Houghton Technical Corp.	8188
DROMUS	British Virgin Islands	Houghton Technical Corp.	699
GARIA	British Virgin Islands	Houghton Technical Corp.	1567
DROMUS	Dominica	Houghton Technical Corp.	637499
GARIA	Dominica	Houghton Technical Corp.	1026
GARIA	St. Kitts Nevis	Houghton Technical Corp.	2009/0226
DROMUS	St. Vincent & Grenadines	Houghton Technical Corp.	9/1977.
DROMUS	United Kingdom	Houghton Technical Corp.	637499
GARIA	United Kingdom	Houghton Technical Corp.	637506
ENSIS	Estonia	Houghton Technical Corp.	26042
DROMUS	Zimbabwe	Houghton Technical Corp.	183/1959
ENSIS	Zimbabwe	Houghton Technical Corp.	180/1959
GARIA	Zimbabwe	Houghton Technical Corp.	203/1959
VOLUTA	Zimbabwe	Houghton Technical Corp.	1731/1958
ENSIS	Barbados	Houghton Technical Corp.	81/7404
ENSIS	Barbados	Houghton Technical Corp.	81/7405
DROMUS	Brazil	Houghton Technical Corp.	002244110
ENSIS	Swaziland	Houghton Technical Corp.	42/1945
FENELLA	Swaziland	Houghton Technical Corp.	2/1947.
GARIA	Swaziland	Houghton Technical Corp.	78/1945
MACRON	Swaziland	Houghton Technical	3/1947.

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**TRADEMARK**  
**REEL: 004469 FRAME: 0118**

		Corp.	
VOLUTA	Swaziland	Houghton Technical Corp.	68/1945
ADRANA	Russian Federation	Houghton Technical Corp.	84895
METALINA	Barbados	Houghton Technical Corp.	81/7624
FENELLA	Malawi	Houghton Technical Corp.	200/1959
MACRON	Malawi	Houghton Technical Corp.	167/1959
FENELLA	Zambia	Houghton Technical Corp.	200/1959
MACRON	Zambia	Houghton Technical Corp.	167/1959
DROMUS	Argentina	Houghton Technical Corp.	2244810
GARIA	Argentina	Houghton Technical Corp.	2244809
VOLUTA	Brazil	Houghton Technical Corp.	002244420
MACRON	Belize	Houghton Technical Corp.	8195
MACRON	British Virgin Islands	Houghton Technical Corp.	1566
MACRON	Dominica	Houghton Technical Corp.	53/1997
MACRON	Grenada	Houghton Technical Corp.	130/1997
MACRON	United Kingdom	Houghton Technical Corp.	639721
ADRANA	Switzerland	Houghton Technical Corp.	365792
DROMUS	New Zealand	Houghton Technical Corp.	41987
ENSIS	New Zealand	Houghton Technical Corp.	41989
ADRANA	Iran	Houghton Technical Corp.	32014
VOLUTA	New Zealand	Houghton Technical Corp.	42130
GARIA	Korea (South)	Houghton Technical Corp.	16313
VOLUTA	El Salvador	Houghton Technical Corp.	12/82.
ADRANA	Thailand	Houghton Technical Corp.	Kor82368
ADRANA	Bulgaria	Houghton Technical Corp.	6271
DROMUS	Uruguay	Houghton Technical Corp.	394806
GARIA	Uruguay	Houghton Technical Corp.	394809
ADRANA	Benin	Houghton Technical Corp.	16741

Ex. IV-55

**TRADEMARK**  
**REEL: 004469 FRAME: 0119**

ADRANA	Burkina Faso	Houghton Technical Corp.	16741
ADRANA	Cameroon	Houghton Technical Corp.	16741
ADRANA	Central African Republic	Houghton Technical Corp.	16741
ADRANA	Chad	Houghton Technical Corp.	16741
ADRANA	Congo (Republic / Brazzaville)	Houghton Technical Corp.	16741
ADRANA	Equatorial Guinea	Houghton Technical Corp.	16741
ADRANA	Gabon	Houghton Technical Corp.	16741
ADRANA	Guinea	Houghton Technical Corp.	16741
ADRANA	Guinea-Bissau	Houghton Technical Corp.	16741
ADRANA	Ivory Coast	Houghton Technical Corp.	16741
ADRANA	Mali	Houghton Technical Corp.	16741
ADRANA	Mauritania	Houghton Technical Corp.	16741
ADRANA	Niger	Houghton Technical Corp.	16741
ADRANA	OAPI	Houghton Technical Corp.	16741
ADRANA	Senegal	Houghton Technical Corp.	16741
ADRANA	Togo	Houghton Technical Corp.	16741
GARIA	New Zealand	Houghton Technical Corp.	42260
ADRANA	South Africa	Houghton Technical Corp.	68/5192
ADRANA (& Arabic)	Morocco	Houghton Technical Corp.	R41857
CALLINA	Australia	Houghton Technical Corp.	A567581
CALLINA	Australia	Houghton Technical Corp.	A567582
SITALA	Australia	Houghton Technical Corp.	A567583
ENSIS	St. Kitts Nevis	Houghton Technical Corp.	2009/0280
GARIA	St. Lucia	Houghton Technical Corp.	279/1994
DROMUS	Guatemala	Houghton Technical Corp.	35973
ADRANA	Austria	Houghton Technical Corp.	CTM 001020064
ADRANA	Benelux	Houghton Technical Corp.	CTM 001020064

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**TRADEMARK**  
**REEL: 004469 FRAME: 0120**



ADRANA	Bulgaria	Houghton Technical Corp.	CTM 001020064
ADRANA	CTM	Houghton Technical Corp.	CTM 001020064
ADRANA	Cyprus	Houghton Technical Corp.	CTM 001020064
ADRANA	Czech Republic	Houghton Technical Corp.	CTM 001020064
ADRANA	Denmark	Houghton Technical Corp.	CTM 001020064
ADRANA	Estonia	Houghton Technical Corp.	CTM 001020064
ADRANA	Finland	Houghton Technical Corp.	CTM 001020064
ADRANA	France	Houghton Technical Corp.	CTM 001020064
ADRANA	Germany	Houghton Technical Corp.	CTM 001020064
ADRANA	Gibraltar	Houghton Technical Corp.	CTM 001020064
ADRANA	Greece	Houghton Technical Corp.	CTM 001020064
ADRANA	Hungary	Houghton Technical Corp.	CTM 001020064
ADRANA	Ireland	Houghton Technical Corp.	CTM 001020064
ADRANA	Italy	Houghton Technical Corp.	CTM 001020064
ADRANA	Jersey	Houghton Technical Corp.	CTM 001020064
ADRANA	Latvia	Houghton Technical Corp.	CTM 001020064
ADRANA	Lithuania	Houghton Technical Corp.	CTM 001020064
ADRANA	Malta	Houghton Technical Corp.	CTM 001020064
ADRANA	Poland	Houghton Technical Corp.	CTM 001020064
ADRANA	Portugal	Houghton Technical Corp.	CTM 001020064
ADRANA	Romania	Houghton Technical Corp.	CTM 001020064
ADRANA	Slovakia	Houghton Technical Corp.	CTM 001020064
ADRANA	Slovenia	Houghton Technical Corp.	CTM 001020064
ADRANA	Spain	Houghton Technical Corp.	CTM 001020064
ADRANA	Sweden	Houghton Technical Corp.	CTM 001020064
ADRANA	United Kingdom	Houghton Technical Corp.	CTM 001020064
DROMUS (& Arabic)	Iraq	Houghton Technical Corp.	45201
DROMUS	Bosnia &	Houghton Technical	BAZ983338

Ex. IV-57

**TRADEMARK**  
**REEL: 004469 FRAME: 0121**

	Herzegovina	Corp.	
GARIA	Bosnia & Herzegovina	Houghton Technical Corp.	BAZ983334
MACRON	Bosnia & Herzegovina	Houghton Technical Corp.	BAZ983358
VOLUTA	Bosnia & Herzegovina	Houghton Technical Corp.	BAZ983345
GARIA	Guatemala	Houghton Technical Corp.	36168
CALLINA	Malaysia	Houghton Technical Corp.	91/08198
CALLINA	Malaysia	Houghton Technical Corp.	91/08200
SITALA	Malaysia	Houghton Technical Corp.	91/08199
METALINA	Bolivia	Houghton Technical Corp.	73819-A
ADRANA	Sudan	Houghton Technical Corp.	11674
FENELLA	Sri Lanka	Houghton Technical Corp.	9758
METALINA	Bosnia & Herzegovina	Houghton Technical Corp.	BAZ993469
ADRANA	Haiti	Houghton Technical Corp.	349/163
VOLUTA	Uruguay	Houghton Technical Corp.	400172
DROMUS	Cuba	Houghton Technical Corp.	130029
ADRANA	Norway	Houghton Technical Corp.	76243
DROMUS	Austria	Houghton Technical Corp.	CTM 001151109
MACRON	Austria	Houghton Technical Corp.	CTM 001151034
DROMUS	Benelux	Houghton Technical Corp.	CTM 001151109
MACRON	Benelux	Houghton Technical Corp.	CTM 001151034
DROMUS	Bulgaria	Houghton Technical Corp.	CTM 001151109
MACRON	Bulgaria	Houghton Technical Corp.	CTM 001151034
DROMUS	CTM	Houghton Technical Corp.	CTM 001151109
MACRON	CTM	Houghton Technical Corp.	CTM 001151034
DROMUS	Cyprus	Houghton Technical Corp.	CTM 001151109
MACRON	Cyprus	Houghton Technical Corp.	CTM 001151034
DROMUS	Czech Republic	Houghton Technical Corp.	CTM 001151109
MACRON	Czech Republic	Houghton Technical Corp.	CTM 001151034

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**TRADEMARK**  
**REEL: 004469 FRAME: 0122**

DROMUS	Denmark	Houghton Technical Corp.	CTM 001151109
MACRON	Denmark	Houghton Technical Corp.	CTM 001151034
DROMUS	Estonia	Houghton Technical Corp.	CTM 001151109
MACRON	Estonia	Houghton Technical Corp.	CTM 001151034
DROMUS	Finland	Houghton Technical Corp.	CTM 001151109
MACRON	Finland	Houghton Technical Corp.	CTM 001151034
DROMUS	France	Houghton Technical Corp.	CTM 001151109
MACRON	France	Houghton Technical Corp.	CTM 001151034
DROMUS	Germany	Houghton Technical Corp.	CTM 001151109
MACRON	Germany	Houghton Technical Corp.	CTM 001151034
DROMUS	Gibraltar	Houghton Technical Corp.	CTM 001151109
MACRON	Gibraltar	Houghton Technical Corp.	CTM 001151034
DROMUS	Greece	Houghton Technical Corp.	CTM 001151109
MACRON	Greece	Houghton Technical Corp.	CTM 001151034
DROMUS	Hungary	Houghton Technical Corp.	CTM 001151109
MACRON	Hungary	Houghton Technical Corp.	CTM 001151034
DROMUS	Ireland	Houghton Technical Corp.	CTM 001151109
MACRON	Ireland	Houghton Technical Corp.	CTM 001151034
DROMUS	Italy	Houghton Technical Corp.	CTM 001151109
MACRON	Italy	Houghton Technical Corp.	CTM 001151034
DROMUS	Jersey	Houghton Technical Corp.	CTM 001151109
MACRON	Jersey	Houghton Technical Corp.	CTM 001151034
DROMUS	Latvia	Houghton Technical Corp.	CTM 001151109
MACRON	Latvia	Houghton Technical Corp.	CTM 001151034
DROMUS	Lithuania	Houghton Technical Corp.	CTM 001151109
MACRON	Lithuania	Houghton Technical Corp.	CTM 001151034
DROMUS	Malta	Houghton Technical Corp.	CTM 001151109
MACRON	Malta	Houghton Technical	CTM 001151034

Ex. IV-59

**TRADEMARK**  
**REEL: 004469 FRAME: 0123**

		Corp.	
DROMUS	Poland	Houghton Technical Corp.	CTM 001151109
MACRON	Poland	Houghton Technical Corp.	CTM 001151034
DROMUS	Portugal	Houghton Technical Corp.	CTM 001151109
MACRON	Portugal	Houghton Technical Corp.	CTM 001151034
DROMUS	Romania	Houghton Technical Corp.	CTM 001151109
MACRON	Romania	Houghton Technical Corp.	CTM 001151034
DROMUS	Slovakia	Houghton Technical Corp.	CTM 001151109
MACRON	Slovakia	Houghton Technical Corp.	CTM 001151034
DROMUS	Slovenia	Houghton Technical Corp.	CTM 001151109
MACRON	Slovenia	Houghton Technical Corp.	CTM 001151034
DROMUS	Spain	Houghton Technical Corp.	CTM 001151109
MACRON	Spain	Houghton Technical Corp.	CTM 001151034
DROMUS	Sweden	Houghton Technical Corp.	CTM 001151109
MACRON	Sweden	Houghton Technical Corp.	CTM 001151034
DROMUS	United Kingdom	Houghton Technical Corp.	CTM 001151109
MACRON	United Kingdom	Houghton Technical Corp.	CTM 001151034
FENELLA	Iran	Houghton Technical Corp.	51652
ADRANA (Chinese characters)	China	Houghton Technical Corp.	5074350
FENELLA (Chinese characters)	China	Houghton Technical Corp.	5074348
METALINA (Chinese characters)	China	Houghton Technical Corp.	5074346
SITALA (Chinese characters)	China	Houghton Technical Corp.	5074349
VOLUTA (Chinese characters)	China	Houghton Technical Corp.	5074347
VOLUTA	Austria	Houghton Technical Corp.	CTM 001184167
VOLUTA	Benelux	Houghton Technical Corp.	CTM 001184167
VOLUTA	Bulgaria	Houghton Technical Corp.	CTM 001184167
VOLUTA	CTM	Houghton Technical Corp.	CTM 001184167
VOLUTA	Cyprus	Houghton Technical Corp.	CTM 001184167

Ex. IV-60

VOLUTA	Czech Republic	Houghton Technical Corp.	CTM 001184167
VOLUTA	Denmark	Houghton Technical Corp.	CTM 001184167
VOLUTA	Estonia	Houghton Technical Corp.	CTM 001184167
VOLUTA	Finland	Houghton Technical Corp.	CTM 001184167
VOLUTA	France	Houghton Technical Corp.	CTM 001184167
VOLUTA	Germany	Houghton Technical Corp.	CTM 001184167
VOLUTA	Gibraltar	Houghton Technical Corp.	CTM 001184167
VOLUTA	Greece	Houghton Technical Corp.	CTM 001184167
VOLUTA	Hungary	Houghton Technical Corp.	CTM 001184167
VOLUTA	Ireland	Houghton Technical Corp.	CTM 001184167
VOLUTA	Italy	Houghton Technical Corp.	CTM 001184167
VOLUTA	Jersey	Houghton Technical Corp.	CTM 001184167
VOLUTA	Latvia	Houghton Technical Corp.	CTM 001184167
VOLUTA	Lithuania	Houghton Technical Corp.	CTM 001184167
VOLUTA	Malta	Houghton Technical Corp.	CTM 001184167
VOLUTA	Poland	Houghton Technical Corp.	CTM 001184167
VOLUTA	Portugal	Houghton Technical Corp.	CTM 001184167
VOLUTA	Romania	Houghton Technical Corp.	CTM 001184167
VOLUTA	Slovakia	Houghton Technical Corp.	CTM 001184167
VOLUTA	Slovenia	Houghton Technical Corp.	CTM 001184167
VOLUTA	Spain	Houghton Technical Corp.	CTM 001184167
VOLUTA	Sweden	Houghton Technical Corp.	CTM 001184167
VOLUTA	United Kingdom	Houghton Technical Corp.	CTM 001184167
MACRON	Uruguay	Houghton Technical Corp.	402995
DROMUS	Antigua & Barbuda	Houghton Technical Corp.	3897
ADRANA	Bosnia & Herzegovina	Houghton Technical Corp.	BAZR983115
ADRANA	Serbia	Houghton Technical Corp.	18342
FENELLA	Paraguay	Houghton Technical	326659

Ex. IV-61

**TRADEMARK**  
**REEL: 004469 FRAME: 0125**

		Corp.	
MACRON	Paraguay	Houghton Technical Corp.	326661
ADRANA	Paraguay	Houghton Technical Corp.	326664
ENSIS	Bosnia & Herzegovina	Houghton Technical Corp.	BAZR983128
ENSIS	Serbia	Houghton Technical Corp.	11951
DROMUS	Oman	Houghton Technical Corp.	2285
ENSIS	Oman	Houghton Technical Corp.	2310
FENELLA	Uruguay	Houghton Technical Corp.	404817
ADRANA	Chile	Houghton Technical Corp.	866437
ADRANA	Uruguay	Houghton Technical Corp.	406291
ENSIS	Malaysia	Houghton Technical Corp.	SAR/1477
FENELLA	Brazil	Houghton Technical Corp.	829487557
ADRANA	Korea (South)	Houghton Technical Corp.	185718
MACRON	Costa Rica	Houghton Technical Corp.	56758
DICROL CPS	United Kingdom	Houghton Technical Corp.	1524208
DROMUS	Tonga	Houghton Technical Corp.	185
FENELLA	New Zealand	Houghton Technical Corp.	44370
MACRON	New Zealand	Houghton Technical Corp.	44372
DROMUS	Malaysia	Houghton Technical Corp.	SAR/13880
CALLINA	Turkey	Houghton Technical Corp.	2000/09462
ENSIS	Antigua & Barbuda	Houghton Technical Corp.	3521
GARIA	Antigua & Barbuda	Houghton Technical Corp.	3524
ENSIS	Lebanon	Houghton Technical Corp.	110723
FENELLA	Lebanon	Houghton Technical Corp.	110738
GARIA	Lebanon	Houghton Technical Corp.	110767
MACRON	Lebanon	Houghton Technical Corp.	110769
VOLUTA	Lebanon	Houghton Technical Corp.	110841
DROMUS	Lebanon	Houghton Technical Corp.	111066

Ex. IV-62

**TRADEMARK**  
**REEL: 004469 FRAME: 0126**

ENSIS	Malawi	Houghton Technical Corp.	MW/TM/1959/01 431
ENSIS	Zambia	Houghton Technical Corp.	1431/1959
CALLINA	Canada	Houghton Technical Corp.	
ADRANA	Canada	Houghton Technical Corp.	TMA747450
FENELLA	Canada	Houghton Technical Corp.	TMA756219
METALINA	Canada	Houghton Technical Corp.	TMA756218
ENSIS	Burundi	Houghton Technical Corp.	3240
MACRON	Burundi	Houghton Technical Corp.	3210
METALINA	Burundi	Houghton Technical Corp.	3219
VOLUTA	Burundi	Houghton Technical Corp.	3220
GARIA	Rwanda	Houghton Technical Corp.	4084/FRK
MACRON	Rwanda	Houghton Technical Corp.	4087/FRK
METALINA	Rwanda	Houghton Technical Corp.	4091/FRK
VOLUTA	Rwanda	Houghton Technical Corp.	4107/FRK
DROMUS	Israel	Houghton Technical Corp.	7931
ENSIS	Israel	Houghton Technical Corp.	7933
FENELLA	Israel	Houghton Technical Corp.	8373
GARIA	Israel	Houghton Technical Corp.	7938
MACRON	Israel	Houghton Technical Corp.	8378
VOLUTA	Israel	Houghton Technical Corp.	7974
ADRANA	Hungary	Houghton Technical Corp.	113443
ADRANA	Czech Republic	Houghton Technical Corp.	160195
ADRANA	Slovakia	Houghton Technical Corp.	160195
DROMUS	Czech Republic	Houghton Technical Corp.	154717
DROMUS	Slovakia	Houghton Technical Corp.	154717
DROMUS	Poland	Houghton Technical Corp.	43115
DROMUS	Ireland	Houghton Technical Corp.	41644
DROMUS	Malta	Houghton Technical	3866

Ex. IV-63

**TRADEMARK**  
**REEL: 004469 FRAME: 0127**

		Corp.	
VOLUTA	Malta	Houghton Technical Corp.	3908
MACRON	Ireland	Houghton Technical Corp.	42592
DROMUS	Latvia	Houghton Technical Corp.	M14037
VOLUTA	Latvia	Houghton Technical Corp.	M13959
MACRON	Malta	Houghton Technical Corp.	4078
VOLUTA	Slovenia	Houghton Technical Corp.	5380059
DROMUS	Slovenia	Houghton Technical Corp.	5380040
DROMUS	Lithuania	Houghton Technical Corp.	9519
VOLUTA	Lithuania	Houghton Technical Corp.	9518
ADRANA	United Kingdom	Houghton Technical Corp.	930190
ADRANA	Ireland	Houghton Technical Corp.	73926
DROMUS	Cyprus	Houghton Technical Corp.	2042A
VOLUTA	Cyprus	Houghton Technical Corp.	2083A
MACRON	Cyprus	Houghton Technical Corp.	2379A
ADRANA	Cyprus	Houghton Technical Corp.	11439
GARIA	France	Houghton Technical Corp.	1349195
GARIA	Monaco	Houghton Technical Corp.	3R98.19892
MACRON	Monaco	Houghton Technical Corp.	3R98.19668

Ex. IV-64